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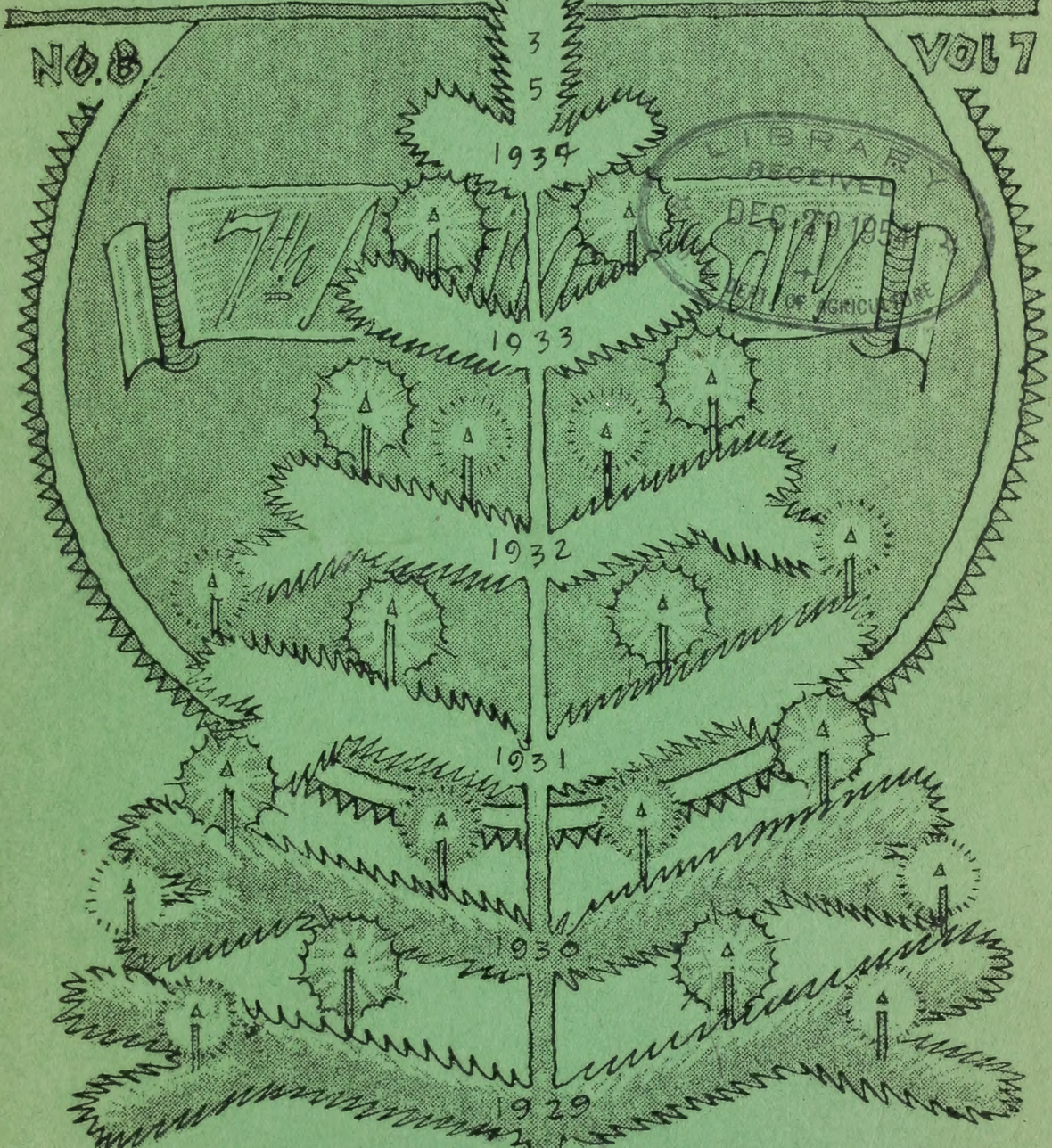
The BUS 9 BULLETIN



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NORTH CENTRAL REGION

B.W.

FOREST SERVICE
CENTRAL STATES FOREST EXP. STATION
COLUMBUS, OHIO
JAN 7 1936
RECEIVED
Answered

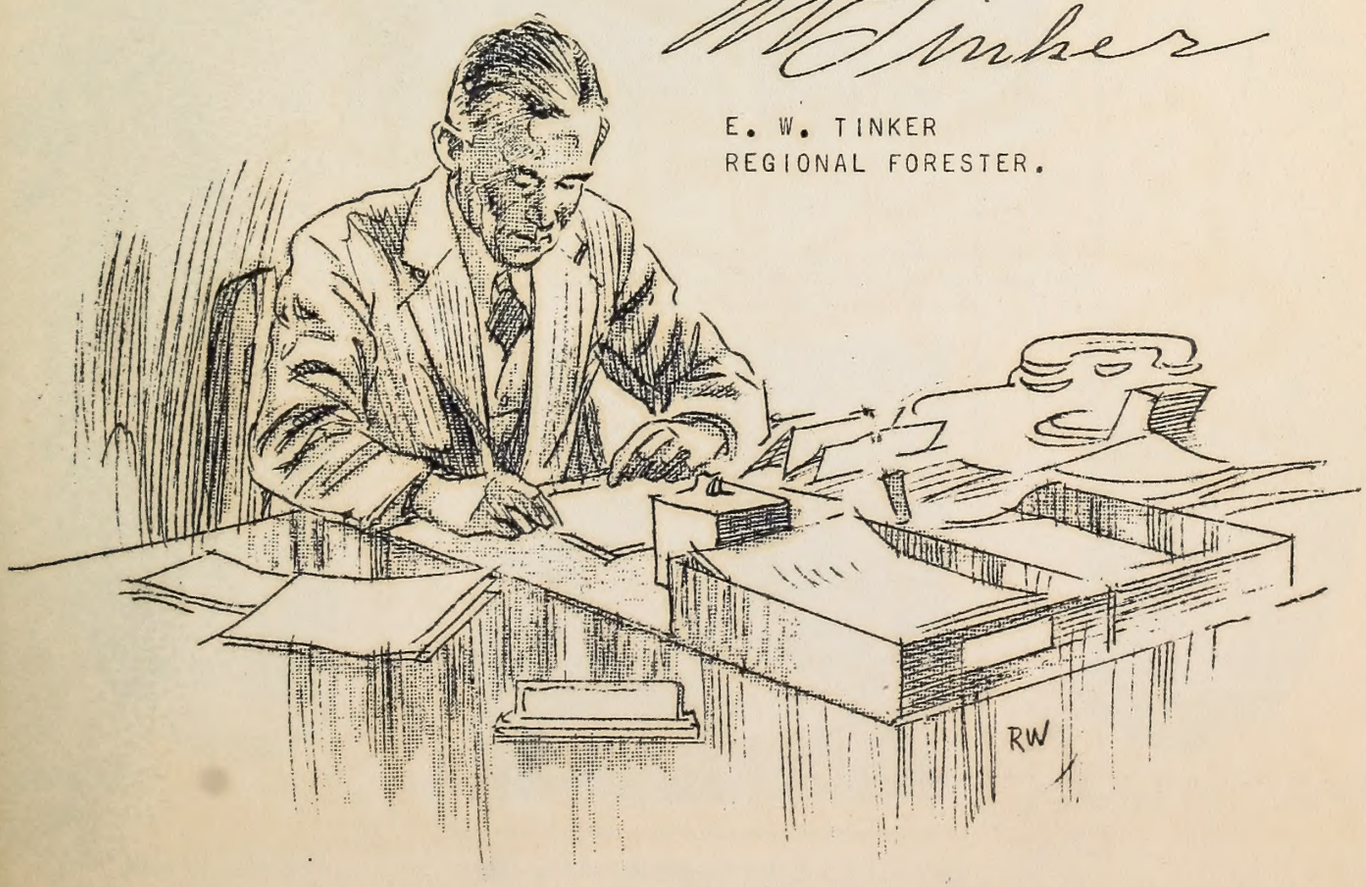
TO THE PERSONNEL OF REGION NINE

ON BEHALF OF THE REGIONAL OFFICE, I WOULD LIKE TO CONVEY A MESSAGE OF GOOD CHEER FOR THE HOLIDAYS AND THE ENSUING CALENDAR YEAR. YOU ARE ENGAGED IN A PUBLIC SERVICE OF GREAT IMPORTANCE TO THE PEOPLE OF THE UNITED STATES AND A PUBLIC SERVICE THAT IS RECEIVING GROWING RECOGNITION. WHATEVER THE FUTURE MAY HOLD FOR YOU PERSONALLY, AND WHETHER THE PROGRESS OF FOREST CONSERVATION IS SLOW OR RAPID, I THINK WE ARE ASSURED THAT PROGRESS WILL BE MADE AND AS THE WORK PROGRESSES, SO WILL THE PEOPLE ENGAGED IN IT PROGRESS.

IN THIS MY LAST MESSAGE TO YOU AS REGIONAL FORESTER, MAY I URGE YOUR CONTINUED SUPPORT, NOT ONLY IN THE DAY TO DAY JOBS, BUT BY YOUR MORAL INFLUENCE IN PROMOTING THE CAUSE OF FOREST CONSERVATION IN THIS REGION.

E. W. Tinker

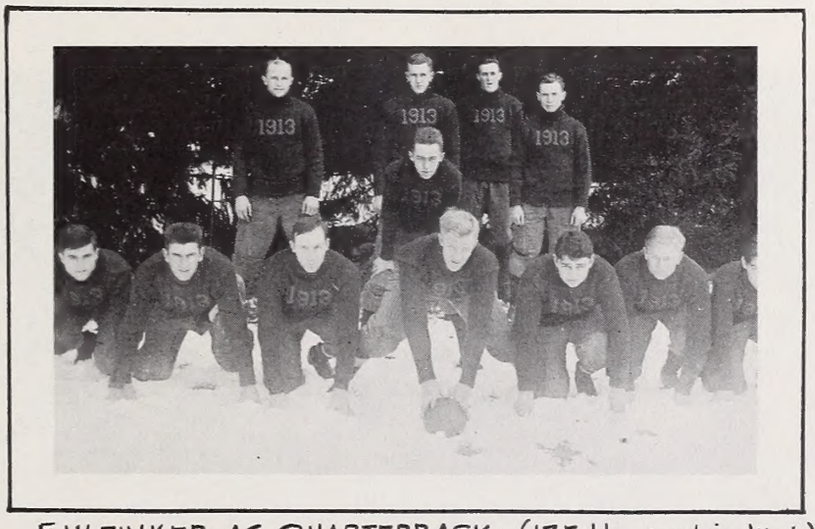
E. W. TINKER
REGIONAL FORESTER.



Early Steps in E.W. TINKER'S Progress

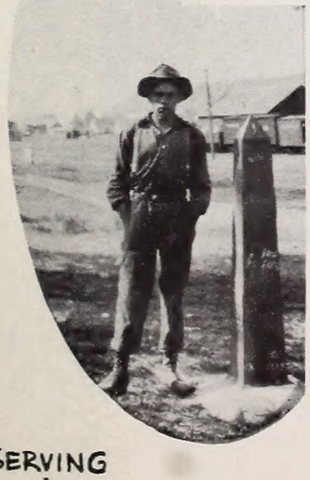
HE STARTED TELLING THEM EARLY

Not one of the 'Quints'

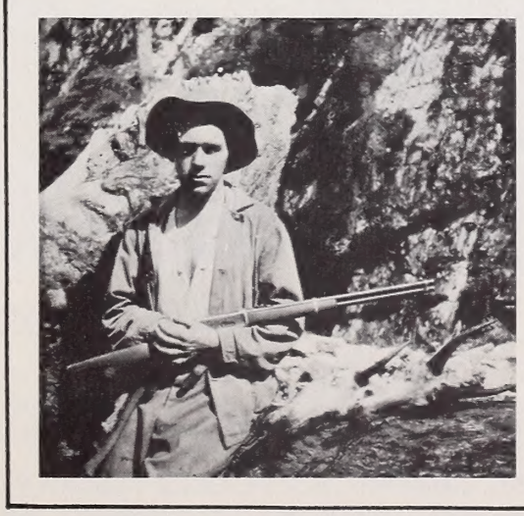


A gay Young Blade

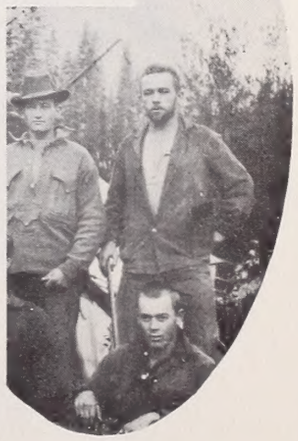
E.W. TINKER AS QUARTERBACK (135 Lbs. soaking Wet)



SERVING in BRITISH COLUMBIA



HE WAS GETTING THEIR GOATS THEN.



IN THE TALL, AND UNCUT -- as Timber Cruiser

DECEMBER 1935 R.O. STAFF MEETING, R-9

Left to right: E.G. Amos, Frank Carroll, A.G. Hamel, A.G. Nord, Fred Schoder, G.D. Cook, E.W. Tinker, S.E. Schoonover, Manly G. Thompson, Holland Coleman, Scott Leavitt, L.S. Bean, G.K. Fenger. (H.B. Wales in the field when picture was taken.)

R-9 SUPERVISORS' MEETING - DECEMBER, 1935

Front row: left to right-- A.F. Miller, Manistee; R.U. Harmon, Superior; Galen W. Pike, Gardner; E.W. Tinker, Regional Forester; Paul D. Kelleter, Clark; Gerald S. Horton, Shawnee; Warren T. Murphy, Huron.

Back row: H.P. Brandner, Hoosier; C.E. Knutson, Chippewa; A.G. Lindh, Nicolet; Clare Hendee, Ottawa; C.L. Van Giesen, Chequamegon; Paul A. Wohlen, Upper Michigan; R.B. McKennan, Wayne; Arlie W. Toole, Hawkeye.

WILD TURKEYS ON BEAVER CREEK

ANTHONY E. STARK - JUNIOR FORESTRY
GARDNER F-10

IN NEARLY ALL OF THE VARIOUS SCIENTIFIC BOOKS ON THE BIRDS OF NORTH AMERICA, WE FIND THE WILD TURKEY REFERRED TO AS A BIRD THAT IS EXTINCT OR VERY NEARLY SO. UNFORTUNATELY THE LATTER PART OF THIS STATEMENT IS ONLY TOO TRUE.

IN THE SOUTHWESTERN PART OF TANEY COUNTY, MISSOURI, LIES A REGION THAT UNTIL RECENT YEARS HAS BEEN A CLOSED SECTION TO PERSONS NOT INHABITANTS OF THE IMMEDIATE HILLS. HERE ONE FINDS PEOPLE THAT STATE THAT THEY HAVE NOT BEEN IN THE CITY OR TOWN FOR OVER THIRTY YEARS. IN THIS SECTION WE FIND THAT THE WILD TURKEY HAS BEEN ABLE TO MAINTAIN ITS EXISTENCE. ALTHOUGH THERE IS STILL AN OPEN SEASON ON THE BIRDS IN THIS STATE, THE NATIVES OF THIS PARTICULAR SECTION CAN USUALLY TELL WHERE THERE IS A FLOCK OF THE BIRDS RANGING.

THE FOREST SERVICE IS ENDEAVORING TO USE THESE BIRDS AS A NUCLEUS FROM WHICH TO BUILD NEW FLOCKS AND INCREASE THE NUMBER OF WILD TURKEY TO SOMEWHERE NEAR ITS FORMER STATE OF ABUNDANCE.

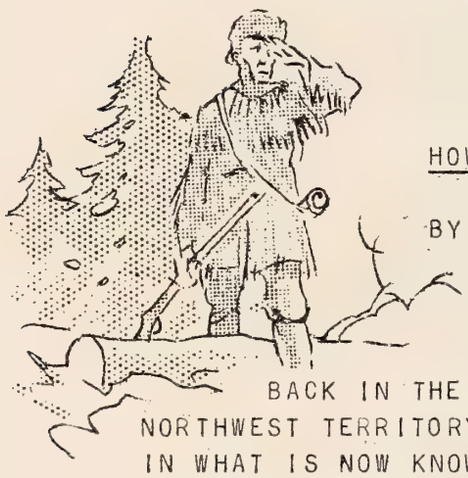
IN THE MONTH OF NOVEMBER 1934, THE FOREST SERVICE RELEASED 74 TURKEYS OBTAINED FROM THE STATE GAME FARM. THESE BIRDS ALTHOUGH OF WILD STOCK, WERE VERY TAME, AND AS A CONSEQUENCE A PATROL OR GUARD WAS ESTABLISHED ON THE AREA THAT THEY SELECTED FOR A RANGE. THE DUTY OF THIS PATROL WAS TO PROTECT THE TURKEYS FROM ILLEGAL HUNTING, TO TAKE OBSERVATIONS ON THE NESTING ACTIVITIES, FOOD, AND OTHER HABITS OF THE BIRDS. IN FEBRUARY, 1935, DUE TO A GREAT DEAL OF FIGHTING AMONG THE BIRDS, IT WAS NECESSARY TO MOVE 14 OF THE GOBBLERS TO ANOTHER PART OF THE UNIT IN WHICH A GREATER NUMBER OF HENS WERE KNOWN TO RANGE. SHORTLY AFTER THIS REMOVAL THE HENS BEGAN TO HUNT NESTING SITES AND OF COURSE THE PREDATORS IMMEDIATELY BECAME A SOURCE OF WORRY. OUT OF THE FIRST SETTING OVER 200 EGGS WERE DESTROYED BY VARIOUS ANIMALS. THE YOUNG THAT DID HATCH WERE DROWNED IN THE EXCEPTIONALLY WET WEATHER THAT PREVAILED AT THIS TIME. A SECOND HATCH LATER IN THE SEASON HAD MORE FAVORABLE RESULTS. MORE THAN 225 YOUNG BIRDS WERE KNOWN TO HAVE HATCHED AND REACHED THE AGE AT WHICH THEY WERE ABLE TO FLY.

WITH THE FAVORABLE RESULTS THUS FAR OBTAINED, WE ARE WAITING WITH GREAT INTEREST TO SEE WHAT EFFECT THE OPEN SEASON OF 1935 WILL HAVE ON OUR TURKEY POPULATION. THE FARMERS THAT OWN THE LAND ON WHICH THE TURKEYS RANGE HAVE COOPERATED VERY WELL. THEY HAVE POSTED THEIR LANDS AGAINST HUNTING OR TRAPPING FOR THIS SEASON AND HAVE DONE THEIR BEST IN MANY WAYS TO HELP OUR BIRDS GET A GOOD START.

WE ARE NOW IN THE MIDDLE OF THE HUNTING SEASON AND AT THE

PRESENT TIME WE HAVE HAD TWO INSTANCES OF GROUPS DISREGARDING THE POSTED WARNINGS IN ORDER THAT THEY MIGHT HUNT RELEASED BIRDS. ON THE NIGHT OF DECEMBER 4 A GROUP OF "SPORTS" MADE A RAID ON A FENCED AREA IN WHICH SEVERAL OF THE RELEASED TURKEYS WERE ROOSTING. THEY WERE SUCCESSFUL IN OBTAINING 5 BIRDS THAT WERE AS TAME AS ANY BARNYARD FOWL. ON THE NIGHT OF DECEMBER 8 ANOTHER GROUP OF HUNTERS WAS DISCOVERED AND CHASED OUT OF THIS SAME FENCED PLOT. THIS HUNTING WAS ALSO ILLEGAL BECAUSE IT WAS CONDUCTED AFTER NIGHTFALL. ON OTHER OCCASIONS HUNTERS HAVE TRIED TO BRIBE MEMBERS OF THE PATROL AND ALSO FIRE GUARDS OF THE VICINITY IN ORDER THAT THEY MIGHT BE ALLOWED TO OBTAIN A TURKEY.

WITH SUCH AN OPTOMISTIC BEGINNING TO THE 1935 HUNTING SEASON WE ARE WONDERING JUST HOW SUCCESSFUL WILL BE THE ATTEMPT TO RESTORE THE WILD TURKEY TO THIS SECTION OF THE OZARKS. THE END OF THE HUNTING SEASON IS AWAITED WITH GREAT INTEREST AT WHICH TIME WE WILL HAVE MORE NEWS OF OUR TURKEYS AND THEIR EXPERIENCES WITH THE BIG-HEARTED, HE-MAN SPORTSMAN OF THE SURROUNDING COUNTRY.



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HOW WALKERVILLE RECEIVED ITS NAME.

BY: K. W. MAC KAY, CAMP SUPT. F-26
MANISTEE

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BACK IN THE DAYS WHEN MICHIGAN WAS STILL JUST PART OF THE NORTHWEST TERRITORY AND TALL PINE HELD SWAY WE BECAME EMBROILED IN WHAT IS NOW KNOWN AS "THE WAR OF 1812" WITH ENGLAND. INTO THIS TERRITORY WAS SENT A YOUNG COLONEL NAMED WALKERVILLE WITH FIFTY-SEVEN FORTIER SOLDIERS, TO DRIVE OUT THE ENGLISH AND CONVERGE ON FORT MACKINAC WHICH AT THAT TIME WAS AN IMPORTANT ENGLISH STRONGHOLD.

WHETHER FROM LACK OF RESISTENCE TO THE ADVANCE OR FROM INEXPERIENCE IN INDIAN WARFARE THE LITTLE COMPANY OF SOLDIERS WAS TAKEN UNAWARE FROM AMBUSH AT APPROXIMATELY THE PRESENT SITE OF THE CAMP.

THE OUTCOME WAS ONE OF THOSE SCALPING PARTIES, SIMILAR TO THOSE WE FORESTERS PUT ON EACH FALL ON OLD MOTHER EARTH, WITH COLONEL WALKERVILLE AND HIS BOYS ON THE RECEIVING END OF THE SCALPING TOOL.

THE KIN-FOLKS WHO FOLLOWED THE YOUNG COLONEL IN LATER YEARS ESTABLISHED THE PRESENT TOWN OF WALKERVILLE AND NAMED IT IN HONOR OF THE BRAVE COLONEL AND HIS MEN.

PINE RIVER TROUT REARING PONDS

DONALD V. GRAY, JR. FORESTER, HURON

ON JULY 6, 1935 WITH THE ARRIVAL OF 76,000 #3 BROOK TROUT, THE HURON STARTED ITS FIRST VENTURE IN THE REARING OF FISH. THE TROUT WERE FURNISHED BY THE U. S. BUREAU OF FISHERIES FROM ITS NORTHVILLE, MICHIGAN STATION AND WERE SHIPPED TO EAST TAWAS IN THE BUREAU'S CAR #9. FROM THE CAR THEY WERE TRANSPORTED TO THE REARING PONDS ON THE SOUTH BRANCH OF PINE RIVER LOCATED APPROXIMATELY 35 MILES FROM EAST TAWAS.

THE PONDS CONSIST OF FOUR RACEWAYS 200 FEET LONG AND 12' WIDE. THEY ARE BROKEN UP INTO EIGHT 100' UNITS BEING DIVIDED IN THE MIDDLE BY SCREEN DAMS. INTO EACH OF FOUR UNITS APPROXIMATELY 19,000 OF THE TROUT WERE CONSIGNED. THE WATER IS TAKEN DIRECTLY FROM THE SOUTH BRANCH OF THE PINE INTO A MAIN CHANNEL AND FROM THENCE IT FLOWS INTO THE RACEWAYS, FINALLY FLOWING BACK INTO THE STREAM BY MEANS OF AN OUTLET CHANNEL. THE TEMPERATURE OF THE WATER RANGES FROM 48 TO 64 DEGREES FAHRENHEIT.

ON AUGUST 9, FIN AND TAIL ROT WERE FOUND ON ELEVEN FISH IN ONE OF THE PONDS AND IMMEDIATE STEPS WERE TAKEN TO ERADICATE IT. A CONCENTRATED SALT SOLUTION WAS PREPARED AND THE FISH DIPPED INTO IT FOR A PERIOD OF 8 – 10 SECONDS. THIS STOPPED THE DISEASE ALTHOUGH THERE WERE A FEW SEEN, SEINED OUT, AND DESTROYED. THIS DISEASE SITUATION WAS CAUSED BY A DAM POND ON THE UPPER STRETCH OF THE RIVER BEING DRAINED, AND SENDING DOWN STREAM HUNDREDS OF BULLHEADS 3 – 5 INCHES LONG THAT WERE INFECTED WITH FIN AND TAIL ROT.

ON SEPTEMBER 19, PLANTING OF THESE FISH WAS STARTED, AND CONTINUED THROUGH TO THE 22ND. THE TROUT WERE SEINED FROM THE PONDS AND PLACED IN A SCREEN LINE BOX FROM WHICH THEY WERE DIPPED INTO A PAIL OF WATER ON SCALES. FIFTEEN OUNCES WERE CARRIED IN EACH TEN GALLON CAN, AN AMOUNT THAT HAD BEEN DETERMINED BEFOREHAND. THE LOADED CANS WERE THEN PLACED ON THE TRUCKS TO BE PLANTED IN THE STREAMS OF THE FOREST.

AFTER THE PLANTING WAS COMPLETED THE TOTALS WERE COMPILED AND THE PERCENT OF SUCCESS FIGURED OUT. OF THE ORIGINAL 76,000 PLACED IN THE PONDS, 63,442 WERE PLANTED AT THE END OF THE SEASON. THIS IS A PERCENT OF 83.39 OF THE TOTAL THAT SURVIVED. IT IS A FIGURE OF WHICH THE HURON IS PROUD, AS IT SEEMS A GOOD SURVIVAL FOR THE FIRST ATTEMPT AT OPERATION OF TROUT REARING PONDS.

" " " " " "

JACK PINE TWILIGHT:

C. L. SOPER--LUZERNE CAMP F-4

JUNIOR FORESTER

THE HORIZON ROLLS UP TO BLOT OUT THE SUN-SET. THE VERY AIR SEEMS COLORED AND WEIGHTED WITH TINY PARTICLES THAT HAVE NO COLOR OR WEIGHT.

THE TOPS OF JACK PINES CUT A PATTERN AGAINST THE FIELD OF FADING GRAY. BIRD CAROLS SINK TO WHISPERS; FEARFUL TRIBUTE TO THE WINGS OF NIGHT. THE WHIPPOORWILL ALONE HOOTS IN AIRY DEFIANCE OF PERIL, FINDING THE NIGHT MOST TO HIS LIKING AND TELLING THE WORLD OF IT.

AND ONLY ONE STAR WAS WINKING TEN THOUSAND YEARS AGO TONITE. BUT, NO, I AM WRONG. HUNDREDS OF OTHERS APPEAR, MADE BOLD BY THE THICKENED TWILIGHT AND SOON THE VAULTED DOME, SO SEEMING FOR WE SEE IT FROM ONE PLACE, BECOMES A MASS OF BLINKING POINTS, TOO MANY FOR MIND TO COUNT OR GUESS.

A FILMY VAPOR, STEALING OUT FROM SECRET THRESHOLDS, STRETCHES ITS LIQUID LIMBS IN SILENCE AND, DEFTLY ENFOLDING THE SHADOWS, BECKONS. SILVER SEAS FILL EVERY HOLLOW, SOME PART CONDENCED TO HANG JEWELS OF LIQUID FIRE ON EACH WEB AND SPRAY, ALL VAIN TO SEE WHO REIGNS TILL DAY.

SOMETHING STIRS! MY EYES, TUNED TO THE LIGHT, EFFECT NOTHING BUT IMAGINATION BELOW THE STILL SILHOUETTE OF JACK PINES. THE MOST FEARSOME POSSIBILITY SEEMS IMMINENT. THE AIR GROWS CHILL.

DISTANT LIGHTS PROMISE COMFORT. THEY PILE WEIRD SHADOWS IN MY PATH AND, SUDDENLY HOME AGAIN.

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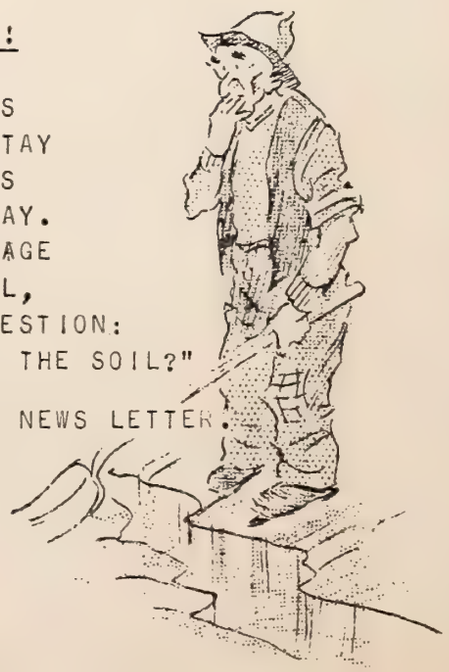
LET'S STOP EROSION!!

HORDES OF GULLIES NOW REMIND US
WE SHOULD BUILD OUR LANDS TO STAY
AND, DEPARTING, LEAVE BEHIND US
FIELDS THAT HAVE NOT WASHED AWAY.
WHEN OUR BOYS ASSUME THE MORTGAGE
ON THE LAND THAT'S HAD OUR TOIL,
THEY'LL NOT HAVE TO ASK THE QUESTION:
"HERE'S THE FARM - BUT WHERE'S THE SOIL?"

MINNESOTA NEWS LETTER.



LE FORET DES AMBOISE
CASS ANDREWS, CAMP SUPT. F-27 MANISTEE

DURING THE WAR ONE OF THE MANY COMPANIES OF THE 20TH REGIMENT ENGINEERS (FORESTRY) OPERATED IN CENTRAL FRANCE IN THE LOIRE VALLEY DISTRICT. THE SAWMILL, A 20-M DAILY CAPACITY SEMI-PORTABLE RIG, WAS LOCATED IN THE VILLAGE OF CHENANEAUX ADJACENT TO THE GOVERNMENT-OWNED FOREST O LE FORET DES AMBOISE, WHICH HAD AN AREA OF ABOUT FIVE THOUSAND ACRES.

A WOODS OPERATION WAS STARTED SHORTLY AFTER THE MILL WAS STARTED AT THE CAMP SITE AT CHENANEAUX, AND SOON, THEREAFTER, LOGS WERE COMING INTO THE MILL BY TRUCK. THE FOREST, AN OAK-BEECH TYPE, HAD BEEN ESTABLISHED FOR MANY YEARS AND WAS UNDER INTENSIVE MANAGEMENT, USING A COPPICE WITH STANDARDS SYSTEM OF SILVICULTURE. THE COPPICE WAS CARRIED ON A TEN-YEAR ROTATION, AND AT EVERY MARKING CERTAIN STANDARDS WERE LEFT TO GO THROUGH THE LONGER ROTATION OF ONE HUNDRED AND TWENTY YEARS. UTILIZATION WAS INTENSIVE. AT THE TIME THE WOODS OPERATION WAS STARTED BY THE ENGINEER TROOPS, THERE WAS ALSO IN PROGRESS A FUEL-WOOD CUTTING OPERATION CARRIED ON BY CIVILIAN LABOR. THIS LABOR WAS HANDLED BY THE FRENCH FORESTER WITH A SPANISH CONTRACTOR WHO EMPLOYED SPANISH LABORERS. TREES WERE FELLED BY THE ENGINEERS, AND THE FUEL-WOOD OPERATOR FOLLOWED UP WITH HIS CREW AND, IN ADDITION TO TAKING ALL OF THE COPPICE NOT MARKED TO BE LEFT FOR STANDARDS, HE ALSO TOOK THE TOPS LEFT BY THE LOGGERS. IN ADDITION TO THE FUEL-WOOD AND LOGGING GOING ON, THERE WAS A CHARCOAL CONTRACT LET TO A LOCAL OPERATOR WHO SELECTED CERTAIN PARTS OF EACH BLOCK, BUILT HIS KILNS AND FIRED THEM RIGHT ON THE JOB. AS A FOLLOW-UP TO THE ENTIRE OPERATION, ANOTHER PROJECT GOT UNDER WAY -- THE LOCAL RELIEF MAN ORGANIZED SOME OF THE TOWNSPEOPLE IN THE VILLAGES ON THE EDGE OF THE FOREST, AND ALL OF THE TWIGS AND SMALL BRANCHES WERE REMOVED TOGETHER WITH ALL OF THE CHIPS. THIS WORK WAS DONE MOSTLY BY WOMEN, AND SO, WHEN ALL OF THE JOBS WERE COMPLETE, THE FOREST, BLOCK BY BLOCK, WAS ENTIRELY CLEAN. THE STUMPS HAD ALL BEEN CUT FLUSH WITH THE GROUND, AND THE GENERAL APPEARANCE AT THE END OF THE WORK WAS THAT OF A PARK, WITH ONLY A FEW BRUISED TOPS HERE AND THERE WHERE THE STANDARDS HAD BEEN LEFT FROM THE LOGGING OPERATION.

AND THE GENERAL APPEARANCE OF THE WHOLE FOREST COULD NOT HELP BUT IMPRESS ONE: BLOCKS AND COMPARTMENTS

WERE NEATLY ARRANGED. STONE CORNERS COMPLETELY MARKED AND ESTABLISHED AT EACH INTERSECTION, ROADS WERE STRAIGHT, EVEN AT THE SACRIFICE OF GRADIENT, BUT ORDER AND SYSTEM PREVAILED AS A RESULT; LOGGING WAS SUCCESSIVE AND COMPLETE WITH EACH OF THE SMALLEST UNIT.

THE FOREST WAS ESTABLISHED DURING THE TIME WHEN ROYALTY FLOURISHED IN PARIS AND THE LOIRE VALLEY WAS THE HUNTING GROUND OF THE DUKES. THE LOIRE RIVER HAS ON ITS BANKS SOME OF THE FINEST EXAMPLES OF CHATEAUX, MANY OF WHICH ARE STILL STANDING AND ARE IN GOOD REPAIR. THE FOREST IS STILL A FAVORITE HUNTING GROUND, AND GAME IS CONSIDERED IN MUCH THE SAME VALUE AS THE OTHER PRODUCTS OF THE FOREST. WILD BOARS ARE PREVALENT; BIRDS SIMILAR TO OUR PHEASANT ARE TO BE FOUND, AS ARE SOME DEER.

THERE WAS MUCH MORE OF INTEREST ON THIS FOREST; RANGER STATIONS DECADES OLD, THE FORESTERS LODGE; LAKES WITH DEVELOPED PLANS FOR MAINTAINING THE COMPLETE STOCKING OF FISH, DEER BROUSE PATCHES, AND A ROAD SYSTEM THAT WAS PERFECT UNTIL THE HEAVY EQUIPMENT OF THE FORESTRY ENGINEERS DESTROYED SOMEWHAT THEIR EVENESS. THE FOREST HAD THE RESPECT AND APPRECIATION OF ALL OF THE LOCAL PEOPLE FOR IT SUPPLIED LABOR AND PRODUCTS NECESSARY FOR THE EXISTENCE OF THE COMMUNITY.

BARK STRIPPING.

W. A. HOPSON, SUPT., F-22 MANISTEE

VIRBURNUM OPULUS, CRANBERRY TREE OR HIGH BUSH CRANBERRY IS FOUND IN SWAMPS AND ALONG BORDERS OF STREAMS AND IS FAIRLY COMMON THROUGHOUT MICHIGAN.

IN THE FALL OF THE YEAR THE BRIGHT RED BERRIES ARE VERY ATTRACTIVE AND BECOME A VERY IMPORTANT BIRD FOOD.

WITHIN THIS CAMP AREA DURING THE PAST SUMMER, BARK GATHERERS HAVE BEEN CUTTING LARGE QUANTITIES OF THE SHRUB AND PEELING THE BARK AND DRYING IT. IT IS THEN SOLD TO FIRMS FOR MEDICINAL PURPOSES. THE BARK STRIPPERS GET ABOUT SEVENTEEN CENTS A POUND FOR THE DRIED BARK. ONE OR TWO MEN CAN WORK OVER QUITE A LARGE AREA DURING A SEASON.

"THE NATIONAL FOREST CONSERVATION BILL."
SCOTT LEAVITT

REGION NINE HAS TAKEN THE NEED OF ENACTMENT OF THE NATIONAL FOREST CONSERVATION BILL AS A CALL TO THE COLORS.

WE AGREE WITH THE CHIEF OF THE FOREST SERVICE THAT THE SERVICE IS RESPONSIBLE TO THE NATION FOR THE EXERCISE OF A POSITIVE LEADERSHIP IN FOREST CONSERVATION MATTERS AND THAT WE ARE WITHIN OUR PROPER PROVINCE NOT ONLY IN FORMULATING COMPREHENSIVE AND NECESSARY LEGISLATION, BUT ALSO IN ADVISING THE PUBLIC REGARDING THE NEEDS CALLING FOR IT.

THERE IS ONE CENTRAL POINT TO MAKE IN DISCUSSING THIS MEASURE, WHICH WILL BE INTRODUCED IN THE APPROACHING CONGRESS. IT IS THAT, TO SECURE THE MOST VALUABLE, LASTING AND BENEFICIAL RESULTS THROUGH A COMPREHENSIVE FORESTRY PROGRAM IN THE UNITED STATES, SOME AMENDMENTS TO EXISTING LAW ARE REQUIRED, AND SOME ADDITIONAL LAW IS NECESSARY; AND THAT THIS BILL IS MADE UP ENTIRELY OF THOSE REQUIRED AMENDMENTS AND THOSE NECESSARY NEW PROVISIONS.

WE MUST, OF COURSE, BE ENTIRELY FAMILIAR WITH THE EXACT PROVISIONS OF THE BILL AND WITH THE REASONS AND CONDITIONS CALLING FOR EVERY ONE OF ITS 24 SECTIONS. SOME INDIVIDUALS OR GROUPS WILL BE PRIMARILY INTERESTED IN EACH AND EVERY SECTION. SOME WILL BE INCLINED, AT FIRST AT LEAST, TO OPPOSE SOME SECTIONS. IT IS OUR OPPORTUNITY TO BE PREPARED AND ABLE TO PRESENT THE SOUND REASONS CALLING FOR EACH SECTION. WE LEAVE A DISTINCT PUBLIC SERVICE TO RENDER.

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SUPERVISORS MEET

A FOUR DAY MEETING OF SUPERVISORS AND ASSISTANTS WAS HELD AT MILWAUKEE DECEMBER 4 TO 7 INCLUSIVE. A HI-LIGHT OF THE MEETING WAS THE DISTINCT NEED FOR DIFFERENT SPECIFICATIONS AND POLICIES FOR THE NATIONAL FORESTS IN THE SOUTH HALF OF THE REGION AS AGAINST THOSE IN OPERATION FOR THE LAKE STATES AREAS.

DEER TROUNCES DOG

.....

A MEDIUM-SIZED HOUND CHASED A DEER ON THE ICE ON THE MUSKEGON RIVER ABOVE THE HARDY DAM LAST SUNDAY, CAUGHT HIM - AND WAS PLENTY SORRY.

THE HOUND DROVE THE DEER, ABOUT A HALF GROWN ANIMAL, OUT OF THE TIMBER ONTO THE ICE NEARLY A HALF MILE FROM THREE FISHERMEN. TOO FAR AWAY TO INTERFERE, THEY WATCHED HELPLESSLY WHILE THE DOG RAPIDLY OVERHAULED THE DEER, THE LATTER BADLY HAMPERED BY THE DEEP SNOW ON THE ICE.

THE HOUND OVERTOOK ITS QUARRY AFTER A SHORT RUN AND GOT THE SURPRISE OF ITS LIFE. WHILE THE THREE MEN WAITED TO SEE THE DEER PULLED DOWN AND KILLED IT REARED UP, PIVOTED ON ITS HIND LEGS AND ATTACKED THE DOG WITH SLASHING BLOWS OF ITS FOREFEET.

"THE HOUND COULDN'T GET AWAY FAST ENOUGH," ONE FISHERMAN RELATES. "HIS HOWLS CARRIED TO US PLAINLY AND HE WHEELED AND MADE A BEE-LINE FOR SHORE. HIS DESIRE TO RUN DEER SEEMED TO JUST MELT AWAY!"

THE DEER TROTTED OFF DOWN THE ICE, CIRCLED BACK INTO THE TIMBER AND DISAPPEARED.

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MANY TO BUILD AT CASS LAKE

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REGION IS BECOMING POPULAR RETREAT FOR VACATIONS

THERE ARE NOW 180 SUMMER HOMES ON GOVERNMENT LAKE SHORE LOTS IN THE CHIPPEWA NATIONAL FOREST. THERE ALSO ARE A NUMBER OF SUMMER RESORTS, BOYS' AND GIRLS' CAMPS AND SUMMER HEADQUARTERS FOR VARIOUS ORGANIZATIONS.

THERE ARE MANY OTHER SUMMER HOMES AND RESORTS WITHIN THE FOREST BOUNDARIES, OCCUPYING LANDS THAT ARE PRIVATELY OWNED.

"THE FORESTER"

"THE FORESTER IS AN AMATEUR WOODSMAN WITH A COLLEGE EDUCATION.

"THERE ARE TWO CLASSES OF FORESTERS. ONE CLASS BELIEVES IN KEEPING ABREAST OF THOSE BROAD DYNAMIC MOVEMENTS OF THE PRESENT DAY THAT CHALLENGE THE BEST EFFORTS OF THE NATION'S THINKERS. THE OTHER CLASS FIGHTS FIRE, BUILDS TRUCK TRAILS, PLANTS TREES, AND WEARS OLD CLOTHES.

"SOME FORESTERS HAVE OFFICES, SOME LIVE IN WASHINGTON, AND SOME WORK IN THE WOODS. LOTS OF FORESTERS SPEND PRACTICALLY THEIR ENTIRE LIVES IN GOD'S GREAT OUT-OF-DOORS. THEY LOVE TO HUNT AND FISH. THEY WOULD, TOO, IF THEY ONLY HAD THE TIME.

"IT USED TO BE SAID THAT A FORESTER'S BEST FRIENDS WERE HIS HORSE AND HIS AXE. TODAY A FORESTER HAS NO NEED FOR A HORSE, AND HE MIGHT CUT HIMSELF WITH AN AXE. YEARS AGO MOST EVERY FORESTER WORE A BIG STETSON HAT, AND CARRIED A GUN ON HIS HIP AND A FLASK IN HIS POCKET. NOWADAYS BIG STETSON HATS ARE ONLY WORN IN THE MOVIES, AND YOU HARDLY EVER SEE A FORESTER CARRYING A GUN.

"AN INTERESTING THING ABOUT A FORESTER'S LIFE IS THAT HE MEETS ALL KINDS OF PEOPLE FROM HOBOS TO MULTI-MILLIONAIRES. IT IS NOT UNCOMMON FOR A FORESTER TO HAVE THE PRIVILEGE OF PERSONALLY DOING FAVORS FOR A MILLIONAIRE TOURIST. HOWEVER, THERE IS NO RECORD OF A MILLIONAIRE TOURIST EVER DOING A FAVOR FOR A FORESTER. BUT EVEN IF THEY DON'T MAKE MUCH MONEY, IT'S NICE, STEADY WORK AND THEY HAVE LOTS OF FUN.

"ANOTHER SATISFACTORY THING ABOUT A FORESTER'S CAREER IS THAT HE IS HIS OWN MASTER, ABSOLUTELY INDEPENDENT AND ANSWERABLE TO NO ONE FOR HIS PROFESSIONAL CONDUCT. THAT IS, EXCEPT TO HIS WIFE, LADIES' GARDEN CLUBS, SPORTSMEN'S ASSOCIATIONS, NATURE LOVERS, NEWSPAPER EDITORS, AND LOCAL POLITICIANS.

"FORESTRY IS A VERY PLEASANT PROFESSION BECAUSE IT IS SO EASY TO GET AHEAD. MANY FORESTERS GRADUATE FROM COLLEGE WITH ONLY A FEW DEBTS AND IMMEDIATELY GET A JOB AND A WIFE. IN ABOUT TEN YEARS TIME IN ADDITION TO THE SAME JOB AND THE SAME WIFE, THEY HAVE MORE DEBTS AND FIVE KIDS. THAT'S WHY FORESTERS ARE SO HAPPY."

COPIED FROM PARK SERVICE BULLETIN
U.S.D.I. - WASHINGTON

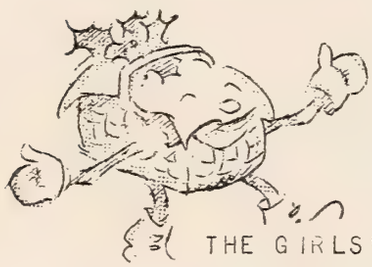
A POST-SEASON USE FOR PLANTING BARS

STEPHEN WHITE, MANISTEE F-42

ABUNDANT PRECIPITATION DURING THE LATE PLANTING SEASON AND THE LACK OF ENOUGH SNOW TO KEEP THE GROUND FROM FREEZING CAUSED CONSIDERABLE DIFFICULTY WHEN THE TIME CAME TO ESTABLISH COUNTING PLOTS ON THE NEW PLANTATIONS.

THE COUNTING PLOTS STAKES ARE MADE OF LATH CREOSOTED ON THE END WHICH IS TO GO INTO THE GROUND AND PAINTED WHITE ON THE OTHER END. AFTER THE GROUND HAD BECOME FROZEN TO A DEPTH OF AN INCH OR MORE IT WAS FOUND IMPOSSIBLE TO PUSH THE STAKES INTO THE GROUND BY HAND ALONE.

THE SUGGESTION MADE BY ONE OF THE FOREMEN THAT PLANTING BARS BE USED TO MAKE THE HOLE FOR THE STAKES WAS ADOPTED AND FOUND TO BE VERY HELPFUL, ESPECIALLY IN SCALP PLANTATIONS WHERE A LARGE NUMBER OF STAKES IS REQUIRED.



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THE CHRISTMAS TREE GIRLS.

MARGARET MARCH-MOUNT R.O.

THE GIRLS' FOREST SERVICE CLUB WERE TOP NEWS IN THE DECEMBER 9 MORNING PAPER, WITH A CHRISTMAS TREE PICTURE, GIFTS 'N' EVERYTHING - HALF A HUNDRED OF THEM AT A PARTY AT THE COLLEGE WOMEN'S CLUB, GUESTS OF YOUR REPORTER. THE TITLE "GET CHRISTMAS PACKAGES EARLY," HELPS THE POSTMASTER AND HIS CREW.

LOUISE WEBBER IS PRESIDENT OF THIS CLUB, KAY GOODWIN, VICE-PRESIDENT; ARMELLA FRIEDL, SECRETARY; ELIZABETH STRANDNESS, KEEPER OF THE CURRENCY, AND TRIMMER OF THE TREE, AFTER YE OLD SCANDINAVIAN CUSTOM OF BRINGING IN THE GREENERY TO BRIGHTEN THE LONG NORTHERN NIGHTS. LAURA DAPPRICH CHIMED CHRISTMAS CAROLS, AND MARGARET BALAY WAS THE GRACIOUS AND EFFICIENT MAJOR DOMO. YOUR SCRIBE WAS GLAD TO BE GUEST OF HER GUESTS AND IS APPLYING TO BECOME THE DUMMY MEMBER.

BESIDES BEING SOCIALITES, MEMBERS USE THE VERB FORM OF SERVICE, AS I LEARNED FROM LISTENING IN ON THE GOODIES THAT WILL GO INTO ONE HUNDRED DOLLARS WORTH OF CHRISTMAS BASKETS - AT $5 PER BASKET - FOR THOSE WHO HAVE FALLEN BEHIND IN LIFE'S JOURNEY, MAINLY FAMILIES WITH CHILDREN, RECOMMENDED BY MEMBERS OF THE FOREST SERVICE. TO A FAMILY WITH ELEVEN CHILDREN GOES THE BIGGEST CHICKEN, PERHAPS WITH MANY WISHBONES. THEY ARE ALSO GATHERING MAGAZINES FOR THE CCC'S SINCE THEIR RECENT BANQUET AT HONEY CREEK CAMP.

INCIDENTALLY, THEY ADMITTED THEY LIKED MY COOKING, AND IN TURN I HAVE NEVER HEARD SO MANY COMPLIMENTARY REMARKS BY THE CLUB MANAGER ABOUT A PARTY HELD AT THE COLLEGE CLUB; AND I HAPPENED TO HEAR THAT OUR MAIDS WILL HAVE A HEARTIER CHRISTMAS BY REASON OF THEIR MOST GENEROUS CONTRIBUTION TO THE COLLEGE CLUB CHRISTMAS CACHE.

" " " " " " " " " "

ITEM TAKEN FROM ANSWERS TO ADMINISTRATION EXAMINATION, MANUAL REVIEW COURSE NOW BEING CONDUCTED IN R-9.

QUESTION: DO YOU BELIEVE THE MASTER PLAN WILL SET UP OUR OBJECTIVES, WORK ACTIVITIES, ETC. IN SUFFICIENT DETAIL TO MEET THE REQUIREMENTS OF THE MANUAL?

ANSWER BY STUDENT (WHO IS A CLERK): I BELIEVE NOTHING REGARDING THE MASTER PLAN BECAUSE ALL I KNOW IS WHAT I PICK UP LISTENING THROUGH KEY HOLES. IF THE DETAILED WORK BEING PUT ON IT IS ANY CRITERION, IT OUGHT TO MEET THE REQUIREMENTS OF EVERY MANUAL IN EXISTENCE.

" " " " " " " " " "

PAGE "JUDGE" THOMPSON

KNOW THIS ONE?

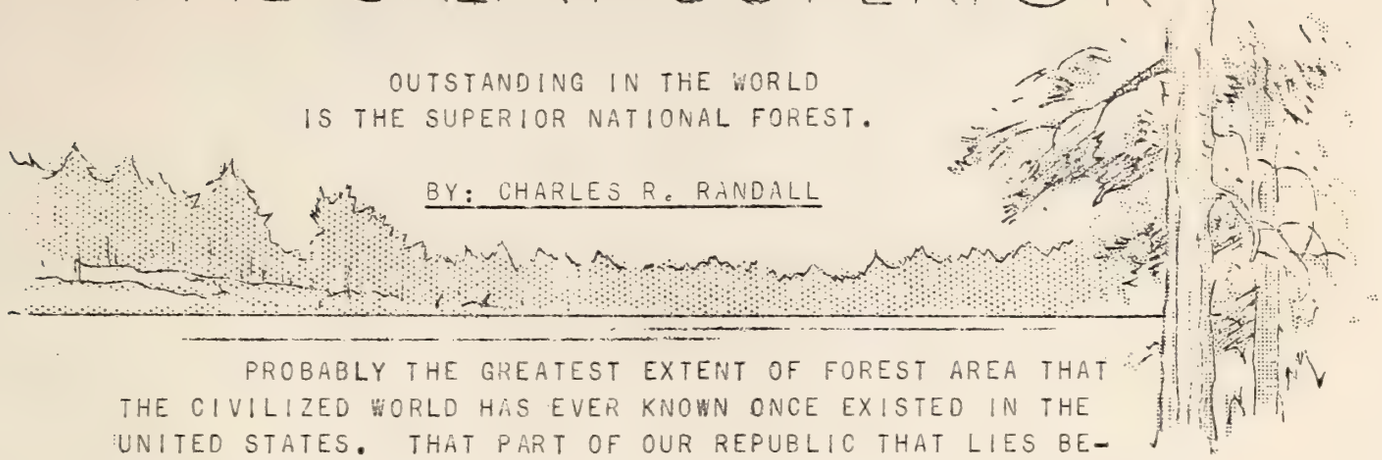
A B O G A D O , PRONOUNCED ABOGAH-THO, ACCENT GAH. IT IS ALWAYS WELL TO ENGAGE AN ABOGADO WHEN IN CONFLICT WITH LAW. AN ABOGADO IS A LAWYER.

EXTRA COPIES OF R-9 BULLETIN ARE AVAILABLE IN THE REGIONAL OFFICES OF #3, #4, #5, #6 & #7 OF VOLUME 7. THESE COPIES ARE ALL 1935 ISSUES.

" " " " " " " " " " " "

Christmas
IN THE FOREST
WITH THE C.C.C.
WITH THE RANGER
AT HOME
IN THE OFFICE
Wendy

THE GREAT SUPERIOR



OUTSTANDING IN THE WORLD
IS THE SUPERIOR NATIONAL FOREST.

BY: CHARLES R. RANDALL

PROBABLY THE GREATEST EXTENT OF FOREST AREA THAT THE CIVILIZED WORLD HAS EVER KNOWN ONCE EXISTED IN THE UNITED STATES. THAT PART OF OUR REPUBLIC THAT LIES BETWEEN THE ATLANTIC COAST AND THE MISSISSIPPI RIVER WAS ONCE, ESSENTIALLY, A MAMMOTH FOREST; THE WORLD'S LARGEST. BRAZILIAN FORESTERS CANNOT TAKE EXCEPTION TO THIS STATEMENT, FOR THE EXTENT OF THEIR FORESTS IS NOT YET DETERMINED; YET, IN JUSTICE TO THEM IT SHOULD BE OBSERVED THAT THE FORESTS IN THAT SOUTH AMERICAN COUNTRY ARE PROBABLY THE MOST EXTENSIVE IN EXISTENCE TODAY, ALTHOUGH THEY ARE STILL LARGELY UNEXPLORED, UNMAPPED, AND UNKNOWN.

WHAT WAS ONCE A HUGE TIMBERED AREA, THIS EASTERN ONE-THIRD OF THE UNITED STATES, HAS BEEN SO ALTERED SINCE THE ADVENT OF THE EUROPEANS THAT IT IS NO LONGER THOUGHT OF IN ITS ORIGINAL CONDITION. PARTS OF IT, HOWEVER, HAVE NOT BEEN CHANGED BEYOND RECOGNITION, PARTS ARE STILL IN A WILDERNESS CONDITION, AND IN SPITE OF THE DESTRUCTIVE INGENUITY THAT HAS SPRUNG FROM MINDS TUNED WITH GENIUS, PORTION OF THE AREA HAVE HAVE FOUND THEIR WAY BACK INTO THE NATIONAL DOMAIN, AND WILL BE RETAINED, FOR ALL TIME, UNSETTLED, AND UNMODERNIZED. I AM THINKING NOW OF THE GREAT SUPERIOR NATIONAL FOREST IN NORTHERN MINNESOTA.

IT IS ONE OF THE LARGEST MANAGED FORESTS IN THE WORLD. IT IS STILL GROWING. IT HAS BEEN DIVIDED, AND REDIVIDED, INTO RANGER DISTRICTS, AND THE DIVISION IS STILL CONTINUING. FEW PEOPLE, EVEN IN MINNESOTA, KNOW WHAT LIES AT THEIR NORTHERN BOUNDARY, FOR IT HAS BEEN TOO INACCESSIBLE TO BE FREQUENTED.

IT IS NOT JUST THROUGH HAPPEN-CHANCE THAT NORTHERN MINNESOTA WILL BE THE FUTURE STABILIZING INFLUENCE FOR ECONOMIC RESOURCES IN THE STATES TO ITS WEST AND SOUTH, TO SAY NOTHING OF THE IRON AND STEEL INDUSTRIES EXTENDING ALONG THE GREAT LAKES, EASTWARD. NATURE HAD IT WELL PLANNED A MILLION OR SO YEARS AGO, AND UNCLE SAM IS JUST GETTING ACQUAINTED WITH THE SITUATION. THIS GIGANTIC AREA, ALREADY NEARLY THREE MILLION ACRES INSIDE OF THE FOREST BOUNDARY - AND THE BOUNDARY IS FLEXIBLE - TOUCHES THE LARGEST OPEN PIT IRON MINE IN THE WORLD, AND INCLOSES SUFFICIENT UNDER-GROUND

MINES TO KEEP AN AFRICAN-EUROPEAN WAR RUNNING ALTOGETHER TOO LONG.

THE "LAND OF TEN THOUSAND LAKES" IS AN EXCELLENT ADVERTISING SLOGAN FOR MINNESOTA WITH WHICH TO LURE SUMMER TOURISTS INTO A WILDERNESS AREA, BUT THE GUN WAS JUMPED WHEN THE SCHEME WAS ORIGINATED. THE IDEA WAS GIVEN TO THE PUBLIC A NUMBER OF YEARS AGO, AND THEN THE THOUGHT WAS CONCEIVED FOR COUNTING THEM. SOME TWELVE THOUSAND WERE LISTED BEFORE THE PROJECT WAS WELL UNDER WAY, AND IT MAY AS WELL BE ADMITTED NOW THAT NO ONE KNOWS HOW MANY LAKES THERE REALLY ARE. THE SUPERIOR FOREST IS IN THE CENTRAL PART OF THE LAKES REGION, AND WHEN THE AERIAL MAP WAS PUT TOGETHER, SOME OF THE AREAS APPEARED TO HAVE MORE WATER THAN LAND. CONFUSION OF LAKES FASTENED TOGETHER BY PORTAGES, OR BITS OF LAND.

THE MAJORITY OF LAKES WITHIN THE FOREST BOUNDARY ARE IN THE PRIMITIVE AREA, WHICH CONGRESS, THROUGH THE SHIPSTED-NEWTON-NOLAN BILL HAS SET ASIDE AS A PERMANENT WILDERNESS AREA. ABOUT A MILLION ACRES OF THESE LANDS ARE WITHIN THE FOREST, AND TOGETHER WITH THE QUETICO PROVINCIAL PARK ON THE CANADIAN SIDE FORMS THE GREATEST PRIMITIVE AREA IN CENTRAL NORTH AMERICA. SOME OF THE RANGER DISTRICTS ARE ALMOST ENTIRELY WITHIN THIS AREA, AND EXCEPT FOR A SHORT ROAD LEADING INTO THESE DISTRICTS TRANSPORTATION IS AVAILABLE ONLY BY CANOES, AND COMMUNICATION ONLY BY RADIO.

IT WAS IN THE NORTHERN EXTENT OF THE FOREST, AND THE WILDERNESS EXTENDING UP INTO CANADA, THAT THE HUDSON BAY CO. BATTLED WITH ITS YOUNGER RIVAL, THE NORTHERN FUR CO. THE CANOE ROUTES OF THESE GREAT PIONEERING VENTURES ARE STILL FOLLOWED BY THE FOREST RANGER. HERE SOME OF THE WARS WERE FOUGHT BETWEEN THE SIOUX AND THE CHIPPEWA INDIANS BEFORE THE WHITE MEN CAUSED THE DISINTEGRATION OF THE NATIVE SAVAGE TRIBES. FOR RECREATIONAL USES, THE SUPERIOR WILL NOT ONLY STAND OUT AMONG THE FORESTS OF THE REGION, BUT ITS RECOGNITION WILL BE NATION WIDE.

THE UNITED STATES GOVERNMENT HAS PLANNED, AND EXECUTED, SOME GIGANTIC STRUCTURAL DEVELOPMENTS. AMERICA IS A NATION OF REMARKABLE FEATS. WE POSSESS, TO OUR CREDIT, THE GREATEST POWER DAMS IN THE WORLD, THE LONGEST SUSPENSION BRIDGE, THE HIGHEST BUILDINGS, BUT NEVER BEFORE, HAS ANY GOVERNMENT ATTEMPTED THE INTENSIVE MANAGEMENT OF A FOREST OF THE SIZE, AND WITH THE DIVERSITY OF CONDITIONS FOUND IN THE SUPERIOR

THE END.

WATERSMEET NURSERY DEVELOPS.
CHARLES C. MONY. -- OTTAWA

WORK ON THE WATERSMEET NURSERY BEGAN LATE IN MAY WITH THE AID OF C.C.C. LABOR FROM CAMP WATERSMEET. THE CHIEF WORK OF THESE MEN WAS TO DEVELOP ENOUGH NURSERY TO TAKE CARE OF THE SPRING SOWING OF 22 MILLION NORWAY AND JACK PINE SEEDLINGS. AT THAT TIME THE WOODS ADJACENT TO THE NURSERY WERE RE-ECHOING THE BUSY NOISES OF CLEARING LAND -- THE BOOM OF DYNAMITE CHARGES TO BLAST ROCK AND PINE STUMPS, THE DRONE OF TRACTORS PULLING FRESNOS AND GRADERS TO LEVEL THE SEEDBED AREAS. THERE WAS BRUSH TO BE BURNED, LAND TO BE PLOWED, DISCED, AND HARROWED. THE INSTALLATION OF WATER MAINS AND OVERHEAD AUTOMATIC IRRIGATION SYSTEM TO GUARD THE SEEDLINGS AGAINST DROUGHT WAS THE PARAMOUNT CONCERN IN THE NURSERY AT THAT TIME. A CENTRIFUGAL PUMP WAS SET UP TO DELIVER WATER TO THE PIPES.

THEN CAME A QUIET PERIOD WHEN THE SEEDING MACHINE WENT UP AND DOWN THE ROWS OF BEDS PLANTING PINE SEED. IN TWO WEEKS THE SEEDS BEGAN TO GERMINATE, AND TINY TREES CAME UP. DURING THE SUMMER MONTHS THE MEN WERE BUSY WEEDING AND CARING FOR THE TREES.

ON JULY 22, AT THE INSTIGATION OF PRESIDENT ROOSEVELT'S ERA PROGRAM, MEN FROM WATERSMEET, BESSEMER, WAKEFIELD AND MARENISCO WERE PROVIDED JOBS TO ANSWER THE DEMAND FOR LABOR AT THE NURSERY. SINCE THAT TIME THE CREWS HAVE BEEN BUSY CLEARING AND PREPARING MORE LAND FOR FALL AND SPRING SOWING. THERE IS MORE PIPE TO BE LAID. THE WATER SYSTEM MUST BE ENLARGED. A NEW PUMP IS TO BE INSTALLED TO FURNISH WATER FOR THE EXPANDED IRRIGATION SYSTEM.

THE FALL SOWING PROGRAM INCLUDES FIVE MILLION WHITE PINE AND TEN MILLION WHITE SPRUCE TREES. WHEN THEY ARE HARDY ENOUGH TO WITHSTAND FIELD CONDITIONS THEY WILL BE PLANTED IN THE DENUDED AREAS WITHIN THE FOREST BY LOCAL AND CIVILIAN CONSERVATION CORPS LABOR TO HELP SUPPLY LUMBER FOR FUTURE USE IN THIS REGION.

" " " " " " " " " " " " " " " " " "

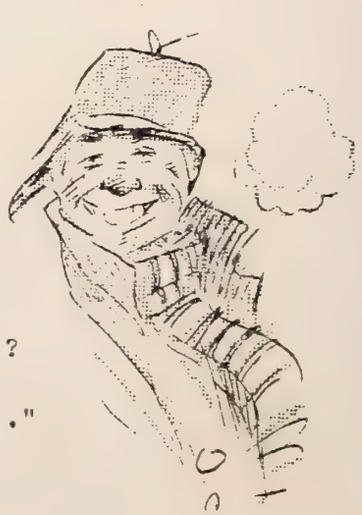
"CAN YOU TAKE IT?"

CAN YOU KEEP YOUR PLACE IN LINE
A'GRUBBIN'
WHEN YOUR HOT AND TIRED AND FEEL
LIKE QUITTIN' ?
CAN YOU KEEP ON CHOPPING TREES
AT T. S. I.,
ALTHOUGH YOU'RE TIRED AND FROZE
AND HATE TO TRY?

WHEN THEY DUCK YOU -- AND SHORT-
SHEET YOU,
CAN YOU TAKE IT AS A JOKE?
WHEN THE GAG IS PULLED ON SOME-
ONE NEW,
ARE YOU THE ONE THAT SPILLS THE
DOPE?

CAN YOU SMILE WHILE ON K. P.,
OR WHILE PEELING SPUDS ON EXTRA
DUTY?
HAVE YOU RESPECT FOR ALL YOUR
LEADERS,
WHETHER FORESTER OR LOOEY?

WHEN YOU THINK OF FRIENDS AND FUN
AT HOME,
AND YOUR LONESOMENESS HURTS LIKE
A SORE,
CAN YOU PUT THOUGHTS ASIDE AND
DUTY FIRST
AND SIGN UP FOR SIX MONTHS MORE?



CAN YOU SMILE WHEN THINGS GO
WRONG?
CAN YOU WORK AND PLAY AND LOVE IT?
IF YOU CAN, YOU ARE A MAN,
AND BETTER YET, " YOU CAN TAKE IT."

EUGENE RANSOM
WA-WA-TA-EAGLE RIVER.

RESULTS OF CUTTING OAKS TO PREVENT SPROUTING

A.GLENN SPEARS - HURON

IN AN EFFORT TO FIND A WAY OF CUTTING OAK SAPLINGS SO THAT SPROUTING WOULD BE ELIMINATED, OR RETARDED, E. D. CLIFFORD, AT THAT TIME A FOREMAN AT SILVER CREEK CAMP, TRIED TWO METHODS. THE TWO METHODS WERE USED IN CONNECTION WITH THE RELEASE OF A NORWAY PINE PLANTATION DURING THE FALL OF 1933.

THE FIRST METHOD TO BE TRIED WAS THAT OF CUTTING THE OAK SAPLINGS ABOUT THREE FEET ABOVE THE GROUND. THE OTHER WAS PARTLY CUTTING THROUGH THE STEM AND BREAKING THE TREE OVER.

THE RESULTS TO DATE ARE FAR FROM ENCOURAGING. ON EXAMINING THE AREA THIS FALL, VERY LITTLE DIFFERENCE COULD BE SEEN BETWEEN THE SPECIALLY TREATED AREA AND THAT TREATED IN THE ORDINARY WAY, WHICH IS TO CUT CLOSE TO THE GROUND. ABOUT TWO PERCENT OF THE TREES CUT AT THE THREE FOOT HEIGHT HAVE FAILED TO SPROUT. THE OTHERS HAVE SENT UP SPROUTS THE SAME HEIGHT AS THOSE CUT AT THE GROUND LEVEL. IN SEVERAL CASES WHERE BUDS WERE PRESENT CLOSE TO THE TOP OF THE CUT STEM THE RESULTING SPROUTS ARE TWICE THE HEIGHT OF THOSE STARTING FROM THE ROOT COLLARS.

IN ALL CASES WHERE THE STEMS WERE PARTLY CUT AND BROKEN OVER THE TREES ARE STILL ALIVE AND SENDING UP SPROUTS THE SAME AS THE OTHERS.

IT WOULD SEEM THAT IN THE LIGHT OF THE PRESENT RESULTS SOME OTHER METHOD WILL HAVE TO BE DEVISED TO PREVENT THE SPROUTING OF OAKS.

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"A PRAYER FOR DRIVERS"

DOROTHY BROWN THOMPSON

HELP ME TO DRIVE AS THOUGH EACH CHILD WERE MINE --
MY VERY OWN;
ALERT AS THOUGH RESPONSIBILITY
WERE MINE ALONE.
THIS GREAT MACHINE, O LORD, IS HARNESSED POWER,
RULED BY MY WILL.
IF I GROW LAX WITH STILL SMALL VOICE, AROUSE ME:

THOU SHALT NOT KILL!

"COOPERATION" KIMBERLY-CLARK CORP.

DOWN INTO WISCONSIN WE DROP

FROM LAKE SUPERIOR, TOSSING BENEATH THE PORCUPINE MOUNTAINS, TO MOUNTAIN, WISCONSIN, ON OCTOBER 31 THERE SNORTED THE TRAIN IN WHICH WERE SPRAWLED THE 172 ENROLLEES OF COMPANY 635.

ONTONAGON, DOWN WHOSE STREETS THE ENROLLEES ONCE STREAMED, HAS DWINDLED TO MOUNTAIN, AND THE ROAD THAT LEADS TO TOWN HAS STRETCHED, BECAUSE CAMP NOW SQUATS IN THE NICOLET FOREST, SEVEN MILES AWAY.

BUT NO LONGER WILL THE ENROLLEES IN THE MORNING HUDDLE TOGETHER WHILE THE CANAPIES FLAP IN THE CHILL WIND, AND THEN CLAMBER STIFFLY FROM THE TRUCKS TO WORK, FOR IT WILL BE CLOSE TO CAMP.

JIM JORGENSON, LEANING ON HIS AXE LIKE ABRAHAM LINCOLN DID WHILE SPLITTING RAILS, DRAWLED:

"THERE WILL BE SOME ENROLLEES ON THE WOOD DETAIL ALL WINTER, GETTING ENOUGH WOOD TO LAST DURING THE SUMMER. AS THE WOODS WILL BE TOO WET TO WORK IN WARMER WEATHER, WE MUST GET ENOUGH TO LAST UNTIL THE SWAMPS FREEZE IN THE FALL."

A SANDY STRETCH IS BEING BRUSHED FOR A ROAD, SO THAT IF SNOW HOLDS OFF, SOME OF THE GRADING MAY BE COMPLETED THIS FALL.

W. SAFFRON, INSTRUCTION FOREMAN UNDER A. ROLLMAN, HAS BEEN PEERING AROUND THE WOODS AT THE JACK PINES, AND OFTEN HIS POCKETS MAY BE SEEN BULGING WITH CONES. BY NOW, ENROLLEES WILL BE SQUIRMING UP PINES, FINISHING THE WORK THEY STARTED ON THE ROCKY SHORES OF LAKE SUPERIOR.

SOON ALSO WILL THE NICOLET FOREST RING WITH CREWS CLEARING FIRE LANES SO WHEN FIRE AGAIN RAGES BEFORE THE WIND, IT WILL COME TO A STOP BEFORE THE BREAKS.

OTTAWA NATIONAL FOREST NO LONGER SWARMS WITH ENROLLEES PLANTING SEEDLINGS, BUT HERE IN THE NICOLET FOREST COMPANY 635 WILL WORK TO SEE THAT THE SEEDLINGS WHICH ALREADY HAVE BEEN PLANTED WILL STRETCH INTO THE SKY AS THE YEARS PASS, INSTEAD OF BECOMING A SEA OF ASHES BROKEN BY CHARRED STUMPS.

BEAR PAW SCRATCHINGS
MOUNTAIN, WISCONSIN

THE ECONOMIC EFFECT OF GAME MANAGEMENT ON THE BEAVER CREEK RANGER DISTRICT.

BY ANTHONY E. STARK, TECH. FOREMAN, GARDNER

THE ECONOMIC EFFECTS OF GAME MANAGEMENT ON THE BEAVER CREEK RANGER DISTRICT ARE OF TWO CLASSES; THOSE APPLYING TO THE IMMEDIATE AREAS OF THE RANGER DISTRICT, AND THOSE AFFECTING THE SURROUNDING COUNTRY.

ANY FOREST MAY BE CLASSIFIED INTO FOUR TYPES. FIRST THERE IS THE TYPE WHICH RUNS TO CONTINUOUS STANDS OF HEAVY TIMBER. THIS LAND OFFERS LITTLE TO GAME, EXCEPT SHELTER AND THIS FOR ONLY SOME SPECIES. THERE IS A TYPE OF LAND SUPPORTING GOOD TIMBER AND ALSO SOME GAME FOOD OR WATER, THUS HAVING MORE GAME VALUE. THE THIRD TYPE OF LAND IS THAT HAVING A BROKEN TIMBER STAND IN WHICH OCCURS OPENINGS, GLADES, BRIAR PATCHES, FOOD SPOTS, BRUSH AREAS AND NESTING PLACES. THESE AREAS CAN BE PUT TO THE MULTIPLE USE OF TIMBER RAISING AND GAME PRODUCTION. THERE IS A FOURTH CLASSIFICATION OF LAND, WHICH IS UNDESIRABLE FOR TIMBER PRODUCTION. THIS TYPE CONSISTS OF ROCKY RIDGES, BALD KNOBS, OR GRAVELLY EROSION AREAS. BY JUDICIOUS PLANTING OF WEEDS, BRIARS, ETC., THIS CAN BE RECLAIMED AND PUT INTO USE FOR GAME PRODUCTION, A LARGE ACREAGE OF WHICH WOULD OTHERWISE BE WASTE AREA.

THERE ARE CERTAIN ECONOMIC FEATURES WHICH AFFECT THE PEOPLE LIVING WITHIN THE AREA. WILL A LARGE GAME POPULATION BE DESTRUCTIVE TO THE CROPS? AS A WHOLE, THE AREA IS SUITED TO THE PRODUCTION OF WILD TURKEY, QUAIL, RACCOON AND DEER. UNDER NORMAL CONDITIONS NONE OF THESE ANIMALS, EXCEPT THE QUAIL, ARE APT TO VENTURE CLOSE TO HUMAN HABITATION. ORDINARILY THE QUAIL AND TURKEY PREFER WILD SEED AND INSECTS, UNLESS THERE IS A SHORTAGE OF THESE FOODS. THE DESTRUCTION OF COUNTLESS INSECTS BY THESE BIRDS SHOULD MORE THAN PAY FOR THE FEW KERNELS OF GRAIN THEY MIGHT PICK UP. DEER MIGHT BECOME A NUISANCE IF THE INCREASE BECAME GREAT ENOUGH, BUT SUCH CONDITIONS CAN EASILY BE CONTROLLED.

WHAT FARMER WOULD NOT GLADLY TRADE FIFTY CENTS WORTH OF CORN OR WHEAT FOR A SEASON OF GOOD QUAIL HUNTING, A DAY'S SPORT CALLING TURKEY, OR LYING IN WAIT FOR A SHOT AT A "BUCK" AS IT COMES ALONG A FOREST TRAIL? IS IT NOT WORTH A SLIGHT AMOUNT OF FOOD, OR LAND DEVOTED TO GAME COVER, TO BE ABLE TO HELP OUT THE TABLE

WITH ROAST WILD TURKEY FOR CHRISTMAS, OR FOR A SUPPLY OF VENISON HANGING IN THE MEAT HOUSE?

OF COURSE THE VISITING HUNTER WILL FOLLOW AN INCREASED SUPPLY OF GAME. HE FOLLOWS THE GAME AND SPENDS MONEY FREELY IN HIS DESIRE FOR RECREATION. HE MUST HAVE ROOM AND BOARD, HUNTING LICENSE, GAS, AMMUNITION, DOGS AND SOMETIMES GUIDES. MANY OF THESE ITEMS HE OBTAINS IN THE AREAS IN WHICH HE HUNTS. THUS A NEW SOURCE OF INCOME IS PROVIDED WHICH WILL AFFECT THE WHOLE DISTRICT.

THE TOURIST ON HIS VACATION IS ALWAYS INTERESTED IN GAME, IN OPPORTUNITIES TO CAMP IN AREAS WHERE DEER MAY BE SEEN, QUAIL FLUSHED AND TURKEYS HEARD CALLING. THE TOURIST MUST LIVE AND HE ALSO SPENDS MONEY, THEREBY PROVIDING ANOTHER SOURCE OF INCOME TO THE INHABITANTS OF THE UNIT.

AS TO THE PEOPLE LIVING OUTSIDE THE UNIT--THEY ALSO BENEFIT BY GAME MANAGEMENT ON THE AREA. THEY ARE PROVIDED A SECTION IN WHICH THEY CAN HUNT WITHOUT FEAR OF TRESPASSING ON PRIVATE PROPERTY. AN AREA IS PROVIDED IN WHICH PEOPLE FROM THE CITY CAN HUNT WITHOUT PAYING A RENTAL FEE, AND HAVE SOME ASSURANCE THAT THEIR EFFORTS WILL BE REWARDED BY A FAIR "BAG". THEIR MONEY WILL BE KEPT IN THE STATE AND NOT SPENT ON LONG TRIPS TO OTHER AREAS TO FIND GAME.

THE VACATIONIST, LOOKING FOR A PLACE TO SPEND A WEEK OR TWO CAMPING, WILL BE ABLE TO PITCH HIS TENT IN AN AREA WHICH WILL BE WILD, BOTH AS TO COVER, AND GAME. HE WILL FEEL AS IF HIS MONEY WAS WELL SPENT IF, ON AWAKENING IN THE MORNING, HE SEES DEER TRACKS IN THE GROUND NEAR HIS TENT OR HEARS THE GOBBLE OF A WILD TURKEY, AND PARTICULARLY SO IF HE IS LUCKY ENOUGH TO SEE EITHER OF THESE ANIMALS.

GAME MANAGEMENT IN CORRELATION WITH FORESTRY PRACTICES ON THE BEAVER CREEK RANGER DISTRICT MEANS LOW COST OF PRODUCTION, NEW RECREATIONAL OPPORTUNITIES, AND A NEW SOURCE OF INCOME FOR THE REGION.

DECORATIVE IDENTIFICATION
DAILY BULLETIN R-3.

FOR USE IN THEIR ECW SIDE CAMPS THE LINCOLN PURCHASED SOME HEAVY CHINA DISHES FROM AN EL PASO FIRM AND EACH PIECE HAS THE INITIALS USFS IN FOREST GREEN LETTERS BAKED ON UNDER THE GLAZING. THERE CAN BE NO QUESTION AS TO OWNERSHIP AND THEY CERTAINLY LOOK DISTINCTIVE.

PAUL REPLENISHES THE JACK PINE

BY RALPH H. FLETCHER, JR. FOREMAN, MANISTEE F-26

NOW GATHER AROUND DEAR CHILDREN AND YOU'LL HEAR THE TRUE STORY OF THE GREAT JACK PINE REBIRTH IN THE STATE OF MICHIGAN.

YOU PROBABLY REMEMBER YOUR GRAN'DADDY TELLING YOU ABOUT THE GREAT DESOLATE AND BARREN SAND PLAINS OF MICHIGAN DENUDED OF THEIR GREAT WHITE PINE AND VALIANT JACK PINE BY THE MIGHTY, LEGENDARY HAND OF OUR GREAT PAUL BUNYAN IN HIS HECTIC DAYS OF THE BLUE SNOW, SLIPPING SECTIONS AND UPSIDE-DOWN FORESTS.

NOW, AFTER PAUL HAD COMPLETED HIS WORK OF DEVASTATION, HE RETIRED TO BARREN BLOWER MOUNTAIN, BARREN BECAUSE IT WAS A BLOWER MOUNTAIN. ITS SIDES WENT IN AND OUT LIKE A PAIR OF BELLOWS AND BECAUSE OF THIS THE TREES COULDN'T KEEP THEIR FOOTING AND SLIPPED DOWN ITS SIDES INTO THE VALLEY BELOW. IT BLEW SMOKE RINGS UP FROM ITS HIGHEST PEAK INTO THE SKIES ABOVE, SOME PEOPLE CLAIMING THAT PAUL, IN A MOMENT OF WRATH, HURLED THE BLUE OX DOWN THIS MOUNTAIN HOLE AND THE SMOKE RINGS WERE THE BLUE OX BLOWING DUST OUT OF HIS NOSTRILS.

WELL, ONE DAY, PAUL BUNYAN TOOK HIMSELF FOR A STROLL OVER HIS OLD HAUNTS, BEING CURIOUS ABOUT HIS OLD FRIEND THE ROUND RIVER, AND REMEMBERING THE TIME HE STARTED HIS LOG-DRIVE THIS RIVER AND NOT KNOWING, AT THE TIME, THAT IT WAS ROUND; DROVE AND DROVE HIS LOGS AND WONDERED WHY THERE WAS NO END TO THE DRIVE. THIS LASTED FOR YEARS, UNTIL PAUL BECAME A MITE CURIOUS AND ON INVESTIGATING FOUND THAT THE RIVER WAS ROUND AND HE WAS DRIVING HIS LOGS IN CIRCLES. HE STOPPED THAT BY LIFTING UP ONE SIDE OF THE RIVER SO THAT THE LOGS SPLASHED OUT THE LOWER END AT THE OLD SAW-MILL, HAVING OF COURSE, TO ROLL THE RIVER INTO POSITION FIRST.

PAUL FOUND THE RIVER ALRIGHT BUT IT WAS DRIER THAN THE PROVERBIAL DRIED HERRING. AFTER SOME THOUGHT PAUL FINALLY DECIDED THAT WHEN HE ROLLED THE RIVER INTO POSITION HE MUST HAVE SPRUNG IT OUT OF SHAPE AND THE WATER RUSHING AROUND SPLASHED OVER THE SHARP EDGES AND NEVER CAME BACK. GREATLY DISAPPOINTED PAUL STARTED BACK FOR BLOWER MOUNTAIN, BUT PAUL WASN'T WATCHING WHERE HE WAS GOING AND STUBBED HIS TOE ON THE PORCUPINE MOUNTAINS AND FELL FLAT ON HIS NOSE IN THE MANISTEE P. U.

PAUL CAUTIOUSLY OPENED HIS EYES AND PEERED ABOUT, THERE STANDING DIRECTLY IN FRONT OF HIS SUBMERGED NOSE WAS A DIGNIFIED GENTLEMAN IN AN ODD GET-UP, AT LEAST PAUL THOUGHT IT WAS ODD, DRESSED FROM THE TOP OF HIS HEAD TO THE BOTTOM OF HIS FEET IN RED, WHITE AND BLUE.

"I TAKE IT", SAID THE GENTLEMAN, "YOU ARE THE GREAT PAUL BUNYAN. WELL, I AM UNCLE SAM, AND YOU ARE JUST THE MAN I'VE BEEN LOOKING FOR."

"SO," SAID PAUL, AND UNCLE SAM SAVED HIMSELF THAT TIME BY GRASPING PAUL'S BEARD AND SWINGING OUT LIKE A SMALL BOY'S KITE ON THE END OF A STRING. (IF YOU DON'T BELIEVE THIS LOOK ON THE FIRST PAGE OF THE R-9 BULLETIN FOR OCTOBER, THAT PICTURE WAS TAKEN JUST AFTER PAUL GOT UP.

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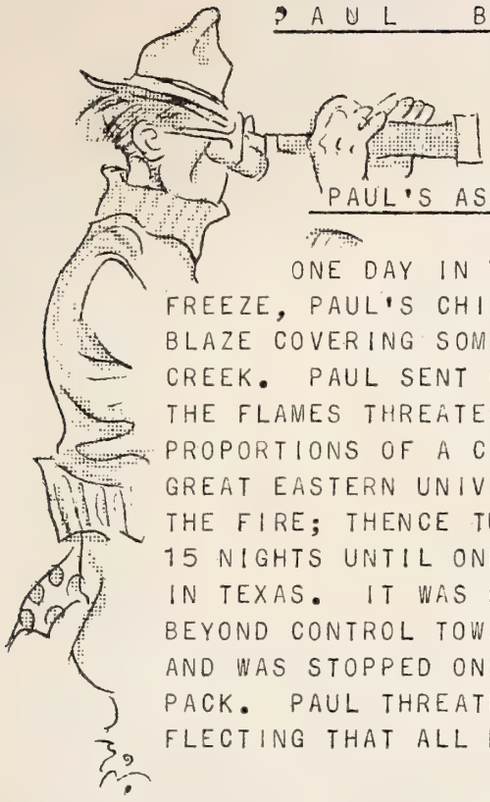
ROADSIDE BEAUTIFICATION

R. TOOLE - OTTAWA JUNIOR FORESTER.

DURING THE HUNTING SEASON PAINT LAKE CAMP HAS BEEN BUSY ON AN IMPORTANT PROJECT, ROADSIDE BEAUTIFICATION. THIS WORK IS BEING DONE ALONG FOREST HIGHWAY NO. 16. IT CONSISTS OF MAKING NATURAL PLANTINGS OF NATIVE TREES ALONG THE ROADSIDE TO SCREEN UNSIGHTLY CUTS, BARROW PITS, AND GRAVEL PITS. SPRUCE AND BALSAM TREES WHICH VARY FROM ONE TO EIGHT FEET IN HEIGHT ARE USED IN THESE PLANTINGS. AT THE PRESENT TIME ONE MILE OF ROADSIDE HAS BEEN IMPROVED, AND IT IS EXPECTED THAT THIS WORK WILL BE COMPLETED SHORTLY.

IN ADDITION TO THE PLANTING A GENERAL CLEANUP OF THE DEAD TREES ALONG THE ROADS IS BEING MADE.

AS A RESULT OF THIS WORK, VISITORS TO THE FOREST IN THE FUTURE WILL BE ABLE TO RIDE BETWEEN ROADSIDES OF NATURAL BEAUTY.



PAUL BUNYAN'S EXPLOITS

... ...

PAUL'S ASSISTANT COMMITS SLIGHT BLUNDER

ONE DAY IN THE SUMMER FOLLOWING THE WINTER OF THE GREAT FREEZE, PAUL'S CHIEF FIRE LOOKOUT, OLIVER OPTIC, REPORTED A BLAZE COVERING SOME 43 TOWNSHIPS ON THE HEAD OF SOUR DOUGH CREEK. PAUL SENT OLIVER, TELLING HIM TO COME BACK FOR HELP IF THE FLAMES THREATENED TO GET OUT OF BOUNDS AND APPROACH THE PROPORTIONS OF A CLASS B FIRE. THIS YOUTH, BEING FROM A GREAT EASTERN UNIVERSITY, TRAVELED 5 MILES DUE EAST TOWARD THE FIRE; THENCE TURNING DUE SOUTH, TRAVELED 14 DAYS AND 15 NIGHTS UNTIL ONE MORNING AT DAWN HE STRUCK THE BRAZOS RIVER IN TEXAS. IT WAS FOR THIS REASON ALONE THAT THE FIRE SPREAD BEYOND CONTROL TOWARD HUDSON BAY AND THE ALEUTIAN ISLANDS, AND WAS STOPPED ONLY BY A FIRE-LINE CUT IN THE ARCTIC ICE-PACK. PAUL THREATENED TO DISCHARGE THE YOUTH, BUT UPON RE-FLECTING THAT ALL MORTALS ERR AT TIMES, HE FORGAVE HIM.

... ...

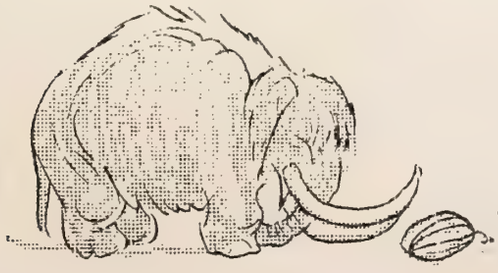
THE EXTINCTION OF THE MASTODON.

THE YEAR OF THE BIG FIRE ON SOUR DOUGH CREEK WAS THE YEAR THE POLAR BEARS, FLEEING BEFORE THE FLAMES FROM THEIR ABODE ON THAT STREAM, TURNED WHITE FROM FEAR, AND NEVER WENT SOUTH AGAIN. ANOTHER CREATURE THAT INTERESTED THE ENTOMOLO-GISTS OF THOSE TIMES WAS THE MASTODON, WHICH BURROWED IN THE GROUND AND FORMED GREAT COLONIES, MUCH AS PRAIRIE-DOGS DO TO-DAY. INDEED THE ENTOMOLOGICAL SURVEY ESTIMATED THAT 236 OF THOSE RODENTS CONSUMED AS MUCH FORAGE AS AN AVERAGE COW IN THOSE DAYS, AND FOR THIS REASON ATTEMPTED TO EXTERMINATE THEM.

IN VAIN, HOWEVER. IT WAS PAUL BUNYAN WHO DEVISED THE SUCCESSFUL PLAN OF SCATTERING AT THE MOUTH OF EACH BURROW A HANDFUL OF POISONED WATERMELONS WHICH THE ANIMALS EAGERLY MUNCHED. PAUL MADE A PET OF THE LAST SURVIVOR, AND THE LIT-TLE ANIMAL TROTTED EAGERLY AT HIS HEELS ALL DAY LONG, AND WAS PLAYFUL AND AFFECTIONATE, BUT DIED AT AN EARLY AGE.

THIS IS THE TRUE ACCOUNT OF HOW THE MASTODON BECAME EXTINCT - A PHENOMENON HITHERTO UNACCOUNTED FOR BY SCIENCE. NEEDLESS TO SAY, THIS EXPLOIT BROUGHT FAME TO THE FOREST SERVICE, AND PAUL WAS WELL LIKED BY THE CATTLE-BARONS.

SERVICE BULLETIN, JULY 2, 1923.



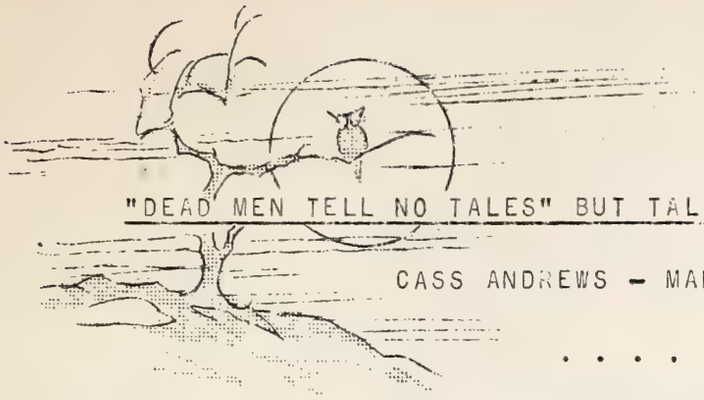
ARE TIMBER SALES PICKING UP?

FIGURES TELL THE STORY OF A DEFINITE TREND FOR THE BETTER IN MANY PARTS OF R-9.

FOREST	TIMBER CUT		NO. OF SALES	
	1934 AMT. M. BD. FT.	1935 AMT. M. BD. FT.	1934	1935
CHEQUAMEGON	73	291	45	58
CHIPPEWA	3638	6124	307	370
HURON	3962	5198	281	331
NICOLET	354	759	40	87
SUPERIOR	255	547	41	48
MARQUETTE	539	245	16	11
HIAWATHA	-	16	-	2
OTTAWA		12	-	1
MANISTEE		50	-	10
	8821	13242	730	918

FISCAL AGENTS REPORTS RECEIPTS FOR FY 1935 AS

$19,722.52.



CAMP FREESOIL, F-27
DECEMBER 5, 1935.

"DEAD MEN TELL NO TALES" BUT TALES ARE TOLD OF "DEAD MEN."

CASS ANDREWS - MANISTEE F-27

. . . . . .

IN 1916 A TIMBER CRUISING PARTY WAS MEASURING UP A TRACT OF SPRUCE AND LODGEPOLE IN THE HIGH ROCKIES ON THE ARAPAHO NATIONAL FOREST. EARLY IN THE SEASON THE SURVEYOR PUTTING IN THE CONTROL LINES DISAPPEARED COMPLETELY ONE DAY LEAVING AN OPEN TRAVERSE AND TWELVE FELLOW TIMBER CRUISERS -- ALL YOUNG COLLEGE BOYS OUT FOR A SUMMER'S EXPERIENCE.

AND SO, ALL DURING THE WORKING MONTHS, IN ADDITION TO TAKING THE DBH'S AND OTHER CRUISING INFORMATION, BONES WERE LOOKED FOR. ELK, DEER, BEAR, CANINE AND BOVINE SKELETONS WERE FOUND; BOB CAT SHRIEKS (OR DO THEY SHRIEK) WERE LISTENED TO FOR THEIR SIMILARITY TO THE HUMAN'S VOICE; COYOTE'S "YIPS" AT NIGHT WERE WONDERED AT; NIGHT WINDS' HOWLINGS AND DANCING SNOW FLURRIES, FLAPPING OF TENTS, AND THE BOOMING OF TIMBER WOLVES' WERE WEIGHTED AS TO THEIR RESEMBLANCE TO THE VOICE OF THE LOST SURVEYOR CALLING FOR HELP. NERVES GOT JUMPY. TALES WERE TOLD OF A WILD MAN WANDERING HITHER AND YON IN THE BRUSH. TRACKS WERE STUDIED, BUT THE SUMMER WANED AWAY AND FALL HOVE IN, "LATS" AND "DEPS" WERE FIGURED AND THE CAMP CEASED TO BE. THE HOMEWARD TREK WAS STARTED WITH THE MYSTERY STILL EXISTANT. A SUMMER TAKING DIAMETER GROWTH ON TOMBSTONES WOULD HAVE BEEN A TREAT TO THAT PARTY WHO CRUISED "THEM THAR HILLS" FOR ENGELMANNII AND BONES.

LONG MONTHS AFTERWARDS WHEN WINTER WINDS IN EASTERN CLIMES HAD BEEN THOROUGHLY MIXED WITH MID-SEMESTERS AND BLUE BOOKS THE RUMOR FOUND ITS WAY AROUND THAT THE LOST WAS FOUND IN ANOTHER STATE AS A CASE OF AMNESIA. MANY THERE WERE OF THAT CRUISING PARTY WHO WOULD HAVE PREFERRED TO HAVE HAD THE MYSTERY STAY UNSOLVED. A SUMMER'S SEARCH FOR SOMETHING NOT EXISTING WAS FLAT AND UNINTERESTING WHEREAS AN UNSOLVED MYSTERY -- WELL -- "DEAD MEN TELL NO TALES."

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VASCO NUNEZ DE BALBOA DISCOVERER
OF THE PACIFIC OCEAN, WAS BEHEADED
FOR MERELY CUTTING DOWN SOME TREES
WITHOUT A LICENSE IN 1517.

"SERVICE LETTER"
PA. DEPT. OF FORESTS & WATERS.

THE FOREST SERVICE LOSES A REAL FRIEND AND CO-WORKER IN THE PASSING OF C. M. BALLARD, CHIEF OF PUBLICATIONS ON NOVEMBER 20, 1935.

" " " " " " " " " "

DR. TRIPENSEE LEAVES R-9

DR. R. E. TRIPENSEE, MORE FAMILIARLY KNOWN AS "DOC" OR "TRIP" IS LEAVING THE FOREST SERVICE TO ENTER THE TEACHING FIELD. "DOC" WILL BECOME PROFESSOR OF FOREST MANAGEMENT IN THE FORESTRY DEPARTMENT OF MASSACHUSETTS STATE COLLEGE AT AMHERST. HE ENTERED THE SERVICE ON JULY 5, 1934 AND PLACED IN CHARGE OF WILD LIFE MANAGEMENT ACTIVITIES. UNDER HIS DIRECTION, THE DEVELOPMENT OF GAME MANAGEMENT RECEIVED A REAL IMPETUS. THE BROAD FOREST PLANS (MASTER PLANS) FOR ALL UNITS IN R-9 HAVE BEEN RECEIVED IN CHECKED. ON MANY OF THE FOREST AREAS, DEFINITE PLANS HAVE BEEN PUT INTO OPERATION FOR THE MANAGEMENT OF SEVERAL SPECIAL SPECIES OF FISH, FOWL AND GAME.

ON LEAVING THE FOREST SERVICE, "DOC" LET IT BE KNOWN THAT HE LEAVES WITH REGRET AND THAT HE THINKS THE FIELD MEN "A GRAND BUNCH." "I WISH THEM ALL A MERRY CHRISTMAS AND A HAPPY NEW YEAR AND CONTINUED SUCCESS IN THEIR FIELD. --

-- SAME TO YOU - DOC!

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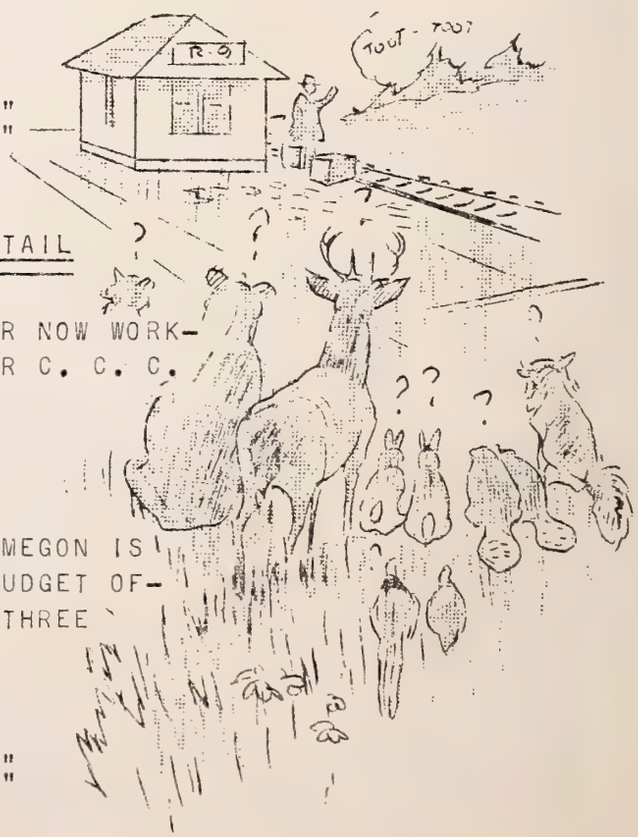

FIELD MEN ON R.O. DETAIL

PETER W. FLETCHER OF GARDNER NOW WORKING ON PROJECT LESSONS FOR C. C. C. EDUCATIONAL COURSES.

.....

ROMAN V. CONRAD FROM CHEQUAMEGON IS HELPING FRED SCHODER, THE BUDGET OFFICER THESE DAYS. ABOUT A THREE WEEK'S DETAIL.

" " " " " " " " " "

ANTIQUE BUILDING

WE HAVE SEEN BUILDINGS CONSTRUCTED OF VARIOUS TYPES AND KINDS OF MATERIAL, BUT THIS IS THE FIRST TIME WE HAVE HEARD OF A BUILDING CONSTRUCTED FROM WOOD WHICH OWES ITS ORIGIN TO PERIODS FAR REMOTE FROM EACH OTHER.

A FILLING STATION IN LAMAR, COLORADO, HAS BEEN BUILT WITH WOOD, YET EVERYONE WHO STOPS AT THIS FILLING STATION, RUBS HIS EYES IN AMAZEMENT. WELL THEY MAY, FOR SOME OF THE WOOD USED IN THE CONSTRUCTION OF THIS UNIQUE BUILDING IS AS OLD GEOLOGICALLY, AS THE GASOLINE AND OIL DISPENSED FROM IT, ALL OF WHICH ARE PRODUCTS OF MILLIONS OF YEARS AGO.

THE ANSWER TO THIS RIDDLE IS SIMPLE. THE BUILDING IS CONSTRUCTED FROM PETRIFIED WOOD. THE MATERIAL FOR THE BUILDING CAME FROM A PETRIFIED FOREST WHICH IS ONE OF THE ATTRACTIONS NEAR THIS CITY. THE TREES FROM THIS FOREST LIVED AS FAR BACK IN ANTIQUITY AS ONE HUNDRED AND SEVENTY-FIVE MILLION YEARS.

"SERVICE LETTER"
PA. DEPT. FORESTS & WATERS

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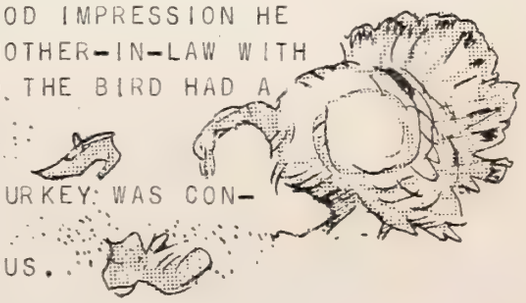
NOVEMBER 27TH.

WITH A BRIDE UNDER ONE ARM AND A 12-POUND TURKEY UNDER THE OTHER, UNCLE "CHOE" OSWALD OF THE R. O. DRAFTING DEPARTED ON HIS HONEYMOON IN DETROIT.

"CHOE" WILL NO DOUBT CONSIDER NOVEMBER 27TH HIS LUCKY DAY, HAVING ACQUIRED BOTH THE BRIDE AND TURKEY ON THAT DATE. HE WAS THE WINNER OF THE TURKEY RAFFLE HELD AFTER WORK BY MEMBERS OF THE DRAFTING OFFICE.

THE PROCEEDS OF THE RAFFLE BEING TURNED OVER TO THE FOREST SERVICE GIRLS' CLUB TO BE USED FOR CHARITABLE PURPOSES.

"CHOE" LEFT THE OFFICE THAT NITE, HIS FACE BEAMING WITH PRIDE AS HE THOUGHT OF THE GOOD IMPRESSION HE WOULD MAKE WHEN HE PRESENTED HIS NEW MOTHER-IN-LAW WITH THIS WONDERFUL BIRD. IT IS UNDERSTOOD THE BIRD HAD A STRONG IRON AND WOODY FLAVOR.



P.S. DON'T ASK "CHOE" AS TO HOW THE TURKEY WAS CONSTRUCTED.

ANONYMOUS.

A MOSS BALER
CHEQUAMEGON NATIONAL FOREST

LAST SUMMER THE FLAMBEAU DISTRICT RANGER WAS AGAIN FACED WITH THE PROBLEM OF FURNISHING A LARGE AMOUNT OF MOSS TO THE BUTTERNUT NURSERY, BUT THIS TIME IT WAS TO BE SENT OUT IN BALES TO PERMIT GREATER EASE IN HANDLING AND MORE ECONOMICAL TRANSPORTATION.

THE RILEY CREEK CCC CAMP TOOK OVER THE JOB OF FILLING THE ORDER. THE MOSS WAS GATHERED AS IN OTHER YEARS AND SPREAD OUT ON THE GROUND TO DRY OUT AS MUCH OF THE WATER AS POSSIBLE. THEN CAME THE BIG JOB OF GETTING IT PUT INTO BALES. FIRST A REGULAR HAY BALER WAS THOUGHT OF, BUT THIS WAS DROPPED BECAUSE OF THE EXPENSE, AND ALSO THE POSSIBILITY THAT IT MIGHT NOT BE ABLE TO HANDLE THE MOSS, WHICH IS MUCH HEAVIER AND HARDER TO HANDLE THAN HAY.

THIS GAVE THE OVERHEAD PERSONNEL AT RILEY CREEK CAMP A CHANCE TO USE A LITTLE INGENUITY, AND THEY DEVELOPED A VERY SATISFACTORY MOSS BALER. THIS BALER CONSISTS OF A TWENTY-FOOT CEDAR POLE WHICH IS USED AS A LEVER; ABOUT SIX FEET FROM THE BUTT END IT IS PLACED ON A FULCRUM WHICH ALLOWS IT TO SWING UP AND DOWN FREELY. ABOUT HALFWAY BETWEEN THE FULCRUM AND THE SMALL END A SQUARE PRESSING BOARD IS ATTACHED. A BOX, WHICH IS BUILT IN FOUR PIECES, AND CHAINED TOGETHER, ACTS AS A BALING FORM; WIRES ARE LAYED IN THIS BOX, AND IT IS FASTENED DIRECTLY UNDER THE PRESSER. THEN AS THE LOOSE MOSS IS THROWN INTO THE BOX, THE LEVER BEAM IS WORKED UP AND DOWN TAMPING THE MOSS INTO THE BOX UNDER CONSIDERABLE PRESSURE. WHEN THE BOX IS FILLED, THE CHAIN HOLDING IT TOGETHER IS LOOSENED AND THE FOUR SIDES REMOVED. THIS PERMITS THE EASY REMOVAL OF THE BALE.

IT TAKES FOUR OR FIVE MEN TO HANDLE THIS BALER EFFICIENTLY, AND THEY CAN PUT OUT APPROXIMATELY SEVEN TO TEN BALES PER HOUR.

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TOMORROW'S TIMBER
HENRY GRAVENGOOD, CONST. FOREMAN
MANISTEE F-17

DURING THE MONTH OF OCTOBER, 17 WORKING DAYS WERE SPENT IN THE CHITTENDEN NURSERY. THERE WERE 8 CREWS OF LIFTERS AND PACKERS CONSISTING OF 10 MEN PER CREW. THESE MEN LIFTED AND PACKED 29,000,000 TREES DURING THIS PERIOD OR 2,900,000 PER CREW.

OF THE 29,000,000 TREES 15,000,000 WERE BALED AND SHIPPED BY TRUCK AND BOAT TO OUTSIDE DESTINATIONS. TRUCK MILEAGE FOR DISTRIBUTION OF STOCK ON THE SAUBLE RANGER DISTRICT IS 1,765 MILES FOR OCTOBER. APPROXIMATELY BUT 48 HOURS ELAPSED FROM THE

TIME THE TREES WERE LIFTED IN THE NURSERY UNTIL PLANTED ON THE SAUBLE RANGER DISTRICT. TWENTY TONS OF MOSS WERE USED IN PACKING AND BALING THESE TREES.

THE GREATEST DEGREE OF EFFICIENCY IN HANDLING THESE TREES WAS BROUGHT ABOUT BY SCHOOLING THE ENROLLEES OVER A PERIOD OF SOME TWO WEEKS. THIS SCHOOLING COVERED THE VARIOUS INJURIES TO ROOTS, THE GRADING AND CULLING OF STOCK, EXPOSURE, NECESSITY OF SUFFICIENT MOISTURE AND PROPER METHODS OF HANDLING AND PACKING. THRU THIS SCHOOLING THE ENROLLEES HAVE ENLARGED THEIR KNOWLEDGE CONCERNING THE PRINCIPAL PARTS OF A TREE AND WHAT EACH PART MEANS AND JUST HOW SENSITIVE THE PLANTS ARE TO EXPOSURE.

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WHITE PINE BLISTER RUST ON THE MANISTEE.
BY WILLIAM TOY, CAMP SUPT. F-24.

IT WAS HOPED AND EXPECTED THAT CONTROL OF THE WHITE PINE BLISTER RUST ON THE MANISTEE WOULD NOT BE A VERY SERIOUS FACTOR BY CAREFULLY SELECTING THE SPECIES TO BE PLANTED ON THE VARIOUS SITES, IT WAS THOUGHT WHATEVER TROUBLE MAY DEVELOP WOULD NOT AFFECT A VERY LARGE AREA.

THE PROBLEM MAY NOT BE QUITE THIS EASY, BECAUSE IN THE VICINITY OF CAMP NEWAYGO THERE IS MORE AND BETTER NATURAL REPRODUCTION OF WHITE PINE THAN THE WRITER HAS OBSERVED ANY PLACE IN MICHIGAN. THE LOSS OF THIS MATERIAL WOULD BE SERIOUS AND THERE IS NOW ONE AREA WHICH IS HEAVILY INFESTED. (SECTION 1, T 12 N, R 11 W.) INDICATIONS ARE THAT THE DISEASE ENTERED IN 1932 AND THAT WITHIN A FEW YEARS THE DAMAGE WILL BE SEVERE.

PROBABLY THE MOST DISCONCERTING FACTOR IN CONNECTION WITH THIS PARTICULAR INFESTATION IS THAT THE RIBES HAS ENTERED ON A SANDY SOIL UNDER FAIRLY HEAVY OAK COVER. IT WAS THOUGHT THAT SUCH AREAS WERE RIBES FREE BUT NOW WE FIND THIS ASSUMPTION WAS NOT CORRECT. ADJOINING AREAS TO THE ABOVE ONE, WHICH SEEM TO HAVE IDENTICAL SITE CONDITIONS, DO NOT CONTAIN RIBES. NO EXPLANATION CAN BE GIVEN FOR THIS APPARENT DIFFERENCE AS SOIL AND COVER TYPES ARE IDENTICAL.

FOLLOWING IS THE DATA COLLECTED ON A ½ ACRE SAMPLE PLOT:

TOTAL PINE TREES IN THE PLOT.....222
TOTAL NUMBER OF TREES INFECTED.....101
NUMBER OF RIBES PLANTS.....192

IN VIEW OF THE ABOVE FINDINGS IT SEEMS THAT EVEN MORE CARE WILL BE USED IN THE SELECTION OF SPECIES TO BE PLANTED. LIKEWISE

T. S. I. RECOMMENDATIONS WILL ALSO BE GOVERNED TO SOME EXTENT BY THE ABOVE FACTOR.

(NOTE:) THIS AREA IS AN EXCEPTION AND VERY LIMITED IN SIZE. IT IS NOT REPRESENTATIVE OF THE USE OF THE OAK-PINE TYPE.

A.F.M.)

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"AN INVITATION TO FORESTERS"

"THE FORESTER'S DAY ASSOCIATION OF THE UNIVERSITY OF MINNESOTA IS SPONSORING ITS SECOND ANNUAL FORESTER'S DAY THE 17TH AND 18TH OF JANUARY, 1936, AT THE UNIVERSITY FARM.

THE EVENT STARTS FRIDAY EVENING. THERE WILL BE A REUNION OF ALL ALUMNI AND WELCOME OF ALL MEMBERS OF THE FORESTRY PROFESSION. SATURDAY WILL BRING THE BIG EVENTS. THE PROGRAM WILL START AT NOON WITH A BANG. A BEAN FEED WILL GIVE US THE NEEDED VIM, VIGOR, AND VITALITY FOR THE AFTERNOON'S EVENTS. CHOPPING, SAWING, SNOW-SHOEING, BOXING, WRESTLING, AND NUMEROUS OTHER CONTESTS ARE SCHEDULED. PROBABLY THE MOST UNUSUAL EVENT WILL BE THE BALL GAME ON SNOW SHOES. THE CELEBRATION WILL WIND UP WITH A DANCE IN THE EVENING THAT WILL MAKE EVEN PAUL BUNYAN WISH HE WERE THERE.

WE EXTEND OUR CORDIAL INVITATION TO ATTEND TO THE ALUMNI AND ALL FORESTERS OF REGION 9. GET OUT YOUR WOOLENS AND PLAN TO JOIN US ON FORESTER'S DAY."

FORESTER'S DAY ASSOCIATION

RAYMOND ELLSTROM, CHAIRMAN
INVITATIONS COMMITTEE

NOT TO MENTION THE "JUICE"

FORESTER: "YOU WILL OBSERVE THAT THESE TREES HAVE BEEN WELL PRESERVED."

C.C.C.: "THEY CERTAINLY HAVE. WHY I CAN'T SEE A SINGLE PRUNE."

AMERICAN FOREST - DEC. 1935.

FERTILIZING PRACTICE *on the* HURON

BY HARRY C. TURNER, HURON NATIONAL FOREST.

(CONTINUED FROM NOVEMBER ISSUE.)

EXCEPT FOR THE COMPLICATION PRESENTED BY THE USE OF SULFURIC ACID AS A DAMPING OFF PREVENTIVE AMMONIUM SULFATE INSTEAD OF NITRATE OF SODA WOULD BE USED ON THE GREEN CROP AS NOT BEING SO SUBJECT TO LEACHING NOR HAVING SUCH QUICK ACTION. THIS FERTILIZER, HOWEVER, ALONG WITH THE SULFURIC ACID ON THE SEED BEDS THE FOLLOWING YEAR RENDERS THE SOIL ENTIRELY TOO ACID. IT HAS BEEN SUGGESTED THAT AMMONIUM SULFATE INSTEAD OF SULFURIC ACID BE TRIED AS A DAMPING OFF PREVENTIVE. IF SUCCESSFUL IN THIS ROLE ITS AMMONIA NITROGEN MIGHT LATER BE AVAILABLE AS A FERTILIZER. ITS USE AS A DAMPING OFF PREVENTIVE IS PREDICATED ON ITS ACIDITY, AND IT IS OF COURSE POSSIBLE THAT ITS HIGH NITROGEN CONTENT WOULD UNFIT IT FOR THIS PURPOSE.

NOTHING HAS BEEN SAID AS TO THE OTHER SUPPOSEDLY NECESSARY CONSTITUENTS OF FERTILIZER, POTASSIUM AND PHOSPHORUS. TO A GREATER EXTENT THAN WITH OTHER PLANTS NITROGEN IS MUCH THE MOST IMPORTANT ELEMENT IN FERTILIZATION. TESTS INDICATE THAT THE NURSERY SOIL IS POOR IN BOTH POTASH AND PHOSPHORUS NO DOUBT BEING RENDERED SO BY THE ACTION OF SULFURIC ACID ON THE SEED BEDS. ACCORDING TO SOIL TEXT BOOKS BOTH POTASH AND PHOSPHORUS ARE NECESSARY TO GOOD ROOT GROWTH AND THEIR PRESENCE IN CONSIDERABLE QUANTITIES TENDS TO PREVENT DISEASE.

DURING THE LAST TWO YEARS EXPERIMENTS HAVE BEEN IN PROGRESS TO DETERMINE THE IMPORTANCE TO RED PINE OF POTASH AND PHOSPHORUS. IN THE CASE OF THE FORMER 200 POUNDS OF KCl PER ACRE WAS SOWED IN A STRIP WITH RYE IN THE FALL. THE RYE WAS PLOWED DOWN THE FOLLOWING SPRING AND THE WHOLE AREA SOWED TO RED PINE. AT THE SAME TIME 24% SUPERPHOSPHATE AT THE RATE OF 600 POUNDS PER ACRE WAS RAKED INTO THREE ADJACENT BEDS JUST BEFORE SOWING.

IT WAS DISCOVERED SHORTLY THAT IN THIS CASE DAMPING OFF IS ONE DISEASE THAT THE PRESENCE OF POTASH

OR PHOSPHORUS HAS NO INFLUENCE IN OVERCOMING. DAMPING OFF WAS SERIOUS, PROBABLY BECAUSE OF THE NEW GREEN CROP, JUST AS BAD IN THE TREATED AREAS AS THE UNTREATED.

IN THE FALL OF 1934 WHEN THE 2-0 SEEDLINGS WERE REMOVED FROM THE AREA A CERTAIN NUMBER WERE SELECTED TO BE DRIED AND WEIGHED TO DETERMINE THE SIZE AND TOP ROOT RATIO. THE SEEDLINGS IN EVERY EIGHTH BALE WERE COUNTED AS A REGULAR NURSERY PROCEDURE, AND EACH HUNDREDTH TREE TAKEN. THE RESULTS ARE AS FOLLOWS:

TREATMENT	NO. TREES WEIGHED	WT. TREE PER GRAMS	TOP ROOT RATIO
PHOSPHORUS	187	1.31	2.63 TO 1
POTASH	258	1.11	2.60 TO 1
UNTREATED	773	1.05	2.33 TO 1

INSTEAD OF INCREASING THE WEIGHT OF ROOTS AS COMPARED WITH TOPS AS WAS TO BE EXPECTED IT WILL BE NOTED THAT BOTH THE TREATED CLASSES OF TREES HAVE A WIDER TOP ROOT RATIO THAN THE UNTREATED ONES. ALSO ALTHOUGH THE SEEDLINGS IN THE PHOSPHATE TREATED BEDS SHOW AN INCREASE OF 25% IN TOTAL WEIGHT AN APPLICATION OF 200 POUNDS PER ACRE OF NITRATE OF SODA WOULD HAVE GIVEN THE SAME INCREASE IN WEIGHT. IT WOULD SEEM THEREFORE THAT THE AMOUNT OF PHOSPHORUS OR POTASSIUM IN THE SOIL HAS LITTLE EFFECT ON THE GROWTH OF CONIFERS. THIS UNRESPONSIVENESS HAS BEEN NOTED BEFORE BY OTHERS AND WAS MENTIONED AT THE NURSERYMEN'S MEETING AT SYRACUSE IN 1932.

IT WOULD BE INTERESTING TO KNOW WHAT EFFECT THE CONSPICUOUS ABSENCE OF THESE ELEMENTS HAS ON THE COMPOSITION OF THE PLANT AND ON ITS HARDINESS AND ON ITS SURVIVAL IN THE FIELD. IN THE OPINION OF THE WRITER LITTLE DIFFERENCE WOULD BE NOTICED.

"""" "" """"

THE R-9 BULLETIN IS STILL AWAITING CONTRIBUTIONS FROM MANY OF THE UNITS IN THE REGION. THE GARDNER, OTTAWA AND THE MANISTEE SEEM TO BE OUR BIG SUPPORTERS.

"""" "" """"

FOREST SERVICE PUBLIC RELATIONS
HURON NATIONAL FOREST

PUBLIC RELATION CONTACTS HAVE BEEN MADE BY THE HURON DURING THE PAST SIX MONTHS AS FAR SOUTH AS DETROIT.

DURING THESE TRIPS, THE PUBLIC IGNORANCE OF NATIONAL FORESTS AND THEIR USE HAS CONSTANTLY BEEN BROUGHT TO MY ATTENTION. IN THE LARGER TOWNS AND CITIES AN AVERAGE OF 90% OF THE PUBLIC DOES NOT KNOW WE EXIST. THE OTHER 10% ARE VITALLY INTERESTED AND ARE EASILY CONTACTED. THE PROBLEM IS HOW CAN WE SUCCESSFULLY CONTACT AND SELL THIS 90% OF THE PUBLIC?

FIRST, DUE TO LACK OF FUNDS WE CANNOT MAKE PERSONAL CONTACTS, BUT MUST USE THE MAIL TO ASK IF WE MAY TALK BEFORE THEIR GROUP. THIS INITIAL LETTER IS FULL OF PITFALLS IF IT IS NOT CAREFULLY WORDED AND THE REQUEST MADE AS IF THE ORGANIZATION WERE RECEIVING A FAVOR. IF CARE IS NOT TAKEN THE RESULT WILL BE, "MORE GOVERNMENT PROPAGANDA" AND YOUR LETTER TAKES A NOSE DIVE INTO THE NEAREST WASTE CONTAINER.

SECOND, IF OUR INITIAL CONTACT IS SUCCESSFUL OUR TOPIC MUST BE CHOSEN WITH CARE. BUSINESS MEN'S ORGANIZATIONS ARE USUALLY INTERESTED IN HUNTING AND FISHING, OR THE WORK AND ITS EFFECT ON TAXES. WOMEN ARE NOT INTERESTED IN THE ABOVE, BUT MOSTLY ABOUT SOCIAL CONDITIONS AND CARE OF THE CCC ENROLLEES. SCHOOL CHILDREN, THE PUBLIC OF THE FUTURE, ARE ONE OF THE MOST DIFFICULT GROUPS TO TALK TO. IF WE GIVE A DRY LECTURE AND BORE THEM WE WOULD HAVE DONE BETTER TO STAY AT HOME. IF, HOWEVER, BY TELLING THEM OUR FACTS IN STORY FORM OR MIXING IN STORIES AND JOKES, WE WILL IN THE FUTURE HAVE A RECEPTIVE AUDIENCE WHEREVER WE GO.

THIRD, NONE OF US ARE ORATORS OR TRAINED SPEAKERS, BUT SEE WHAT ONE PERSON HAD TO SAY ABOUT THIS. ONLY THE OTHER DAY AFTER GIVING A TALK THE FOLLOWING WAS OVERHEARD IN A DRUG STORE: "THAT PROGRAM TODAY WAS INTERESTING AND IT DID NOT HAVE ANY OF THAT HI-PRESSURE ORATORICAL STUFF WE HAVE BEEN LISTENING TO ALL YEAR." THUS, WHEN WE ARE OUT MAKING CONTACTS LET'S CONSOLE OURSELVES WITH THE ABOVE REMARK.

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10 MOOSE TRAPPED ON ISLE ROYALE

THE CORRAL BUILT BY PAUL HICKIE AND HIS ASSISTANTS ON ISLE ROYALE NOW CONTAINS 10 LIVE-TRAPPED MOOSE, ACCORDING TO THE LATEST REPORTS RECEIVED BY THE DEPARTMENT OF CONSERVATION BY RADIO FROM THE ISLAND.

HICKIE REPORTS SEEING MOOSE FREQUENTLY IN THE VICINITY OF CHIPPEWA HARBOR WHERE HIS HEADQUARTERS ARE LOCATED. TWELVE WERE COUNTED ON ONE OCCASION WITHIN A HALF-MILE OF THE LIVE-TRAP.

ALTERNATE ROW PLANTING IN SCALPS - OTTAWA

A. C. OLIVER, JR. FORESTER
R.E. GARRETT, JR. FORESTER

DURING THE PAST PLANTING SEASON IT WAS THE PRIVILEGE OF THE JAMES LAKE CAMP TO UNDERTAKE A PLANTING JOB OF 161 ACRES OF ALTERNATE ROWS OF NORWAY AND JACK PINE SPACED 6 X 8. THERE WERE MANY DIFFICULTIES ENCOUNTERED IN PLANTING THE AREA, WHICH COULD NOT BE VISUALIZED BY THE ORDINARY INDIVIDUAL LOOKING OVER THE FINISHED PLANTATION.

THE PLANTING STOCK WAS RECEIVED FROM TWO SOURCES; THE NORWAY PINE 2-0 COMING FROM MANISTIQUE, MICHIGAN, AND THE JACK PINE 1-0 COMING FROM RHINELANDER, WISCONSIN. THE NORWAY PINE WAS EXCELLENT STOCK WITH AN AVERAGE 3-1/2 INCH TOP AND 5 INCH ROOT, WELL HARDENED FOR THE WINTER. THE JACK PINE WAS ALSO VERY GOOD STOCK WITH AN AVERAGE 4 INCH TOP AND 5 INCH ROOT BUT DUE TO RAPID GROWTH AND PROLONGED SEASON, WAS STILL QUITE SUCCULENT.

THE DIFFERENCE IN THE GROWING STOCK MADE IT NECESSARY TO PLANT THE NORWAY PINE WITH THE GREEN NEEDLES 1/4 INCH ABOVE THE GROUND AND THE JACK PINE NEEDLES FLUSH WITH THE GROUND. THIS ALTERATION IN THE PLANTING PROCEDURE, VARIED THE TECHNIQUE BETWEEN EVERY OTHER MAN IN THE PLANTING LINE. SUPERVISION AND CHECKING WAS CONSEQUENTLY COMPLICATED AS WELL AS WAS THE TALLY OF TREES PLANTED BY SPECIES.

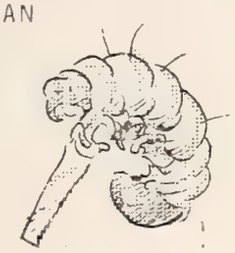
THE PLANTING SITE ORIGINALLY SUPPORTED A MATURE STAND OF WHITE PINE WHICH HAD BEEN KILLED BY FIRE. THE CRISS-CROSSED ARRANGEMENT OF FALLEN TIMBERS AND THE PRESENCE OF SNAGS MADE IT VERY DIFFICULT TO MAINTAIN STRAIGHT GUIDE LINES BOTH FOR SCALPING AND PLANTING.

THE PLANTING ITSELF WAS COMPARATIVELY EASY, THE AREA HAVING BEEN BURNED OVER 15 YEARS PREVIOUS AND THE SOIL WAS A SANDY LOAM.

RECENT TRENDS IN THE ESTABLISHMENT OF PLANTATIONS SEEM TO FAVOR ALTERNATE ROW PLANTING AS THE DANGER OF DISEASE AND INSECT INFESTATION IS GREATLY REDUCED. FUTURE PLANS FOR PLANTATIONS MAY ALSO LEAN TOWARD THE MIXED PLANTING AS THIS TYPE OF PLANTING ENHANCES THE AESTHETIC VALUE, AND OFFERS AN EXCELLENT OPPORTUNITY FOR SIVICULTURAL STUDIES.

JUST AN INSECT!

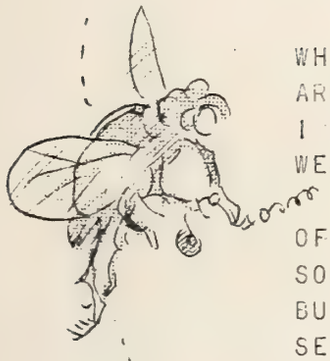
BY H. SNELLENBERGER, SUB-FOREMAN
HIAWATHA NATIONAL FOREST



OF BUGS THERE IS MANY,
BUT WHAT'S BOTHERING THE MOST,
IS THE COMMON JUNE BEETLE,
WITH OUR PINE SEEDLINGS THE HOST.

THE JUNE BEETLE ADULTS
FEED ON ASPEN, HAZEL AND JUNEBERRY.
THEY FLY FEED AND MATE AT NIGHT,
AND SEEM TO BE QUITE MERRY.

NOW THE LARVAE OF THE JUNE BETTLE
AS MOST OF YOU KNOW,
IS THE COMMON WHITE GRUB WE GATHER
WHEN A-FISHING WE GO.



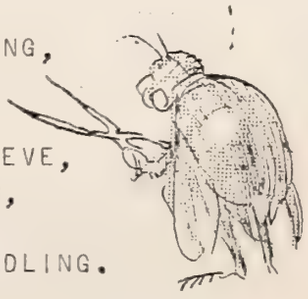
WHILE THE LARVAE, WHITE GRUBS,
ARE QUITE SUBTERRANEAN,
I KNOW WE ALL WISH THAT THEY
WERE IN THE DEEP MEDITERRANEAN.

OF SPECIES THERE IS MANY,
SOME HUNDREDS IN FACT;
BUT THE GREATEST OF THE DAMAGE
SEEMS TO CONCERN A SMALL BRACT.

WE DIVIDE THEM INTO GENERA,
PHYLLOPHAGA, COTALPA, MACROSACTYLUS,
DICHELONYX, DIPLOTAXIS, SERICA, ETCETERA.
FOR THE SWELL NAMES THEY SHOULD THANK US.

BUT TO THE FORMER OF THESE WE ARE CHARGING
THE GREATER PERCENT OF THE DAMAGE;
JUST TO SEE A RUINED PLANTATION,
CAUSES A PERSON TO GO ON A RAMPAGE.

AS THEY ALL DO, THIS GRUB MATURES
BY LIVING ON ROOTS IN THE SOIL,
AND WHEN THEY ENCOUNTER A SEEDLING,
BANG! GOES A CC'S HONEST TOIL.



AND NOW WITH SOME REASON TO BELIEVE,
BUT STILL WE ARE SADLY WONDERING,
THAT IF BY ANY REMOTE CHANCE,
PHYLLOPHAGA PREFERS JUST OUR SEEDLING.

NOW STUDYING THE GRUBS WE ARE,
AND STUDY THE RASCALS WE MUST,
TO TRY AND DETERMINE FOR CERTAIN
IF JUST PHYLLOPHAGA HAS THIS TERRIBLE LUST.

AT PRESENT WE'RE STUDYING GRUB POPULATIONS
IN AREAS TO BE PLANTED SOON.
WHEN SOME FOLKS SEE US GATHERING BUGS
THEY THINK US, "CRAZIER THAN A LOON".

WE'RE ALSO STUDYING THE DAMAGE
IN PLANTATIONS PLANTED LAST FALL,
AND IF THEY WERE TO SEE THE RESULTS,
THEY WOULDN'T THINK US CRAZY, NO, NOT AT ALL.

"""" """ """"

THE NATIONAL GRANGE AND ITS RELATION TO FORESTRY

ASSISTANT SECRETARY OF AGRICULTURE M. L. WILSON LAUDED THE GRANGE AT THE NATIONAL MEETING HELD IN SACRAMENTO, NOVEMBER 13-21, AS HAVING BEEN RESPONSIBLE, IN THE MAIN, FOR THE CONSERVATION MOVEMENT IN THIS COUNTRY. IN A SPEECH BEFORE THAT BODY ON NOVEMBER 13 HE SAID THE GRANGE IS IN EFFECT THE FOSTER FATHER OF THE UNITED STATES FOREST SERVICE, AS IT WAS INSTRUMENTAL IN LAUNCHING THAT ORGANIZATION.

""""""""""""""""

CAMP AXIN

BY JOHN T. CROLL - CAMP SUPT.
MANISTEE PURCHASE UNIT

THE ADVANCE DETAIL OF SOME 10 COLORED BOYS MOVED INTO THIS CAMP ON AUGUST 7, 1935. THE CAMP GRADUALLY INCREASED IN STRENGTH UNTIL THE COMPANY STRENGTH BECAME 165. THESE MEN ALL LIVED IN TENTS AND ARE STILL DOING SO. THE NEW QUARTERS ARE ALMOST COMPLETED. THE MESS HALL WENT INTO USE TODAY, NOVEMBER 6, AND THE BARRACKS WILL SOON BE OCCUPIED.

"""" """ """"

THE FIRST SPECIAL PERMIT ON THE CHIPPEWA FOREST WAS TAKEN OUT IN 1908 BY FRANK GORENFLO FOR A SUMMER HOME SITE LOCATED ON STAR ISLAND. IT IS STILL IN FORCE.

B O O T S !

D. F. NEWVILLE, CHIPPEWA

EVER SINCE MAN'S BRAIN BECAME DEVELOPED ENOUGH TO DISCOVER THAT HIS FEET WERE SOFTER THAN ROCKS HE WALKED UPON, BOOTS HAVE BEEN A GREAT SOURCE OF GRIEF AND TROUBLE.

I REMEMBER DISTINCTLY WHEN, AS A LOWLY PREP AT OUR SUMMER CAMP, I WALKED FIVE MILES OVER A GRAVELLED MONTANA ROAD IN A PAIR OF TENNIS SHOES, CARRYING A THIRTY-FIVE POUND PACK IN ORDER TO SAVE THE CALKS ON A NEWLY PURCHASED PAIR OF BOOTS. IT WAS NOT AN ENJOYABLE TRIP. TO TOP IT ALL OFF, THE VERY NEXT DAY, AS I WAS EXPLORING THE WOODS AROUND CAMP, I MET MY FIRST PORCUPINE WHO, UPON MY PUSHING MY FOOT IN HIS FACE, PROMPTLY BIT THE END OUT OF MY BOOT. BEING BROKE, I SPENT THE REST OF THE SUMMER COLLECTING MONTANA DUST, NOT TO MENTION THE RAZZING RECEIVED FROM THE REST OF THE GANG WHO PREVIOUSLY HAD KNOWN NO MORE ABOUT PORCUPINES THAN I HAD.

THE FOLLOWING SUMMER JUST BEFORE GOING TO WORK ON A TRAIL CREW IN IDAHO, I PURCHASED A NICE PAIR OF "BUCK-HECHTS" WITH A BIG LOGGER'S HEELS AND ALL IN ALL A PRETTY CLASSY PAIR OF BOOTS. WHILE LEARNING TO USE AN AXE I WHITTLED THOSE BOOTS OFF MY FEET AND NEVER TOUCHED MY SOCKS. IT REMAINS A MYSTERY TO THIS DAY. TO HELP MATTERS ALONG, THOSE BOOTS GOT ME TOSSED OUT OF THE ONLY DANCE HALL IN TOWN ON THE FOURTH OF JULY BECAUSE THEY WERE HOBBED, AND I DIDN'T EVEN GET TO FINISH ONE DANCE.

ON MY WAY UP TO CASS LAKE WHILE WAITING FOR A BUS IN MINNEAPOLIS, I BOUGHT A PAIR OF "BASS" BOOTS, WHICH, I WAS TOLD, WERE THE CLEAR RIG FOR THE MINNESOTA WOODS. IN FACT, ALL THE FORESTERS WORE THEM, AND I BIT.

UPON MY ARRIVAL IN CAMP ONE OF THE FIRST THINGS I HEARD WAS THAT "BASS" BOOTS WERE NOT WORTH THE POWDER TO BLOW THEM TO HADES BECAUSE THE MOCASSIN SEAMS WOULD RIP OUT, WHICH THEY DID.

ONE DAY WHILE IN THE "ITASCA" MY EYE WAS ATTRACTED TO A PAIR OF BOOTS WITH STRAPS OVER THE ANKLE AND AT THE TOPS. UPON GETTING BACK TO CAMP I WAS INFORMED THAT THEY ARE POPULARLY KNOWN AS "BAA BAA'S". EVERY TIME I HAVE WORN THEM THE CAMP SUPERINTENDENT HAS SOLEMNLY ASSURED ME THAT SOON I SHALL BE WALKING LIKE A DUCK. SO HELP ME, HE'S RIGHT; I AM WALKING LIKE A DUCK, AND I AM WONDERING WHAT EFFECT IT WILL HAVE ON MY SWIMMING ABILITY.

TO CUT OUT THE CHATTER AND GET DOWN TO BRASS TACKS, HAS ANYONE GOT THE NAME OF A GOOD PAIR OF BOOTS?

FOREST HOLDS TRACTOR SCHOOL
HOWARD COOK, DIST. RANGER, MANISTEE

DURING THE PAST WEEK, 48 CCC ENROLLEES, MECHANICS AND FOREMEN REPRESENTING THE 13 CAMPS IN THE MANISTEE FOREST, ATTENDED A TRACTOR SERVICE SCHOOL AT THE FOREST CENTRAL REPAIR SHOP AT BALDWIN.

FACTORY REPRESENTATIVES FROM THE CLEVELAND TRACTOR COMPANY, LECTURED AND DEMONSTRATED THE OPERATION, MAINTENANCE, AND REPAIR OF A CLETRAC "35" TRACTOR, WITH THE CCC BOYS TAKING AN ACTIVE PART IN THE DISASSEMBLY AND ASSEMBLY OF THE VARIOUS PARTS UNDER THE COUNSEL OF FACTORY EXPERTS.

A HIGHLIGHT OF THE MEETING WHICH AROUSED MUCH INTEREST AND ENTHUSIASM WAS THE MORNING ROLL CALL WHERE EACH MAN REPLIED WITH A QUESTION IN REGARD TO THE TRACTOR WHICH WAS ANSWERED BY THE FACTORY SERVICE MAN.

THIS MEETING WAS HELD AS PART OF A PROGRAM TO PROMOTE THE MOST EFFICIENT USE OF ALL EQUIPMENT UNITS AND TO PROVIDE VOCATIONAL TRAINING FOR THE CCC BOYS.

THE FOREST SERVICE OPERATES A FLEET OF FIFTEEN "CLETRAC" TRACTORS OF VARIOUS SIZES IN THEIR PLOWING AND TRAIL-BUILDING OPERATIONS IN THE MANISTEE FOREST.

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" MR. H. O TORSRUD FORMERLY IN THE R.O. IS NOW ON THE OTTAWA AS EXECUTIVE ASSISTANT. JOHN D. MYERS OF THE OTTAWA IS ON AN ASSIGNMENT IN THE R.O. ALL SERVICE SECTION. JOHN L. MEIER, JR. ALSO FROM THE OTTAWA, HAS BEEN CALLED IN TO ASSIST THE ACQUISITION GANG IN THE R. O.

THE IRONY OF IT !

ROBT. L. WILLSIE -- MANISTEE F-20.

A CERTAIN INDIVIDUAL HAS BEEN EMPLOYED IN THE FOREST SERVICE SINCE THE FIRST PART OF FEBRUARY 1935. HIS FIRST EMPLOYMENT WAS IN THE FIELD OF ACQUISITION AND NOW AS A FOREMAN IN A CCC CAMP.

PERHAPS, IN SOME FIELDS HIS EXPERIENCE IS SOMEWHAT LIMITED, PARTICULARLY IN FIGHTING FOREST FIRES. IT SEEMS THAT THIS PERSON HAS BEEN MORE THAN EAGER IN HIS DESIRES TO GO ON A FOREST FIRE. A FOREST FIRE! A FORESTER EATING HIS HEART OUT TO GO TO A FOREST FIRE! A KIND OF FIRE WHICH IS AN ABOMINATION TO ALL TRUE MEN OF THE PROFESSION OF FORESTRY.

EVEN BACK IN THE OLD ACQUISITION DAYS, IN THE CASE OF A FIRE DURING THE WEEK-END, WHEN THE CALL SOUNDED, OUT WOULD DASH THIS OVER-EAGER, ENERGETIC PERSON AND ON ALMOST ON BENDED KNEES IMPLORE THE OFFICER IN CHARGE TO PERMIT HIM TO GO TO THE FIRE. WHEN THAT FAILED, A CHANCE WOULD PRESENT ITSELF TO GO IN IN A PRIVATE CAR AS A MERE SPECTATOR. PERSISTENT, EAGER, HOPES SOARING SKYWARD -- TO WHAT? -- FRUSTRATION. THWARTED! THEN AGAIN, WHEN THIS REDOUBTABLE INDIVIDUAL WOULD REACH THE SITE OF A FIRE, THE FIRE WAS A SMALL ONE AND ALREADY PUT OUT OR THE WHOLE THING HAD BEEN A FALSE ALARM.

SO FAR IT HAS BEEN THE SAME STORY SINCE HIS ADVENT IN A CAMP A PART OF ITS SUPERVISORY PERSONNEL. ONE NOVEMBER DAY, IT WAS BLEAK AND COLD, BUT THE WOODS FAIRLY DRY, A FIRE WAS REPORTED. LEAVING A SUNDAY CHICKEN DINNER, GRABBING A BOTTLE OF MILK FOR A HASTY LUNCH ON THE DASH TO THE FIRE, SALLIED FORTH OUR HERO WITH THE SPARK OF ANTICIPATION IN HIS BROWN EYES. HE DIDN'T EVEN STOP FOR A HAT AND COAT, BUT PILED ON TO THE SMOKE-CHASER IN HIS SHIRT SLEEVES AND BARE-HEADED. THE FIRE? - ONLY A PILE OF LEAVES BURNING IN A BACK YARD AND IT HAD ALREADY BEEN EXTINGUISHED!

WILL THE BENEFICENT GODS NEVER BRING ABOUT THE FULL SATISFACTION OF THESE MANIACAL DESIRES OF OUR FRIEND AND SO QUENCH THE GREAT YEARNING ONCE AND FOR ALL TIME? WELL, THERE WILL BE NEXT SUMMER AND WITH IT ANOTHER FIRE SEASON. THEN, "WE SHALL SEE" -- AND NOT UNTIL THEN.

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THERE ARE OVER 1000 ACTIVE SAWMILLS IN SWEDEN.

"SERVICE LETTER"
PA. DEPT. OF FOREST & WATERS.

SHAWNEE T.S.I. SCHOOL

BY; FAVRE L. EATON, ASST. SUPERVISOR
SHAWNEE.

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THIRTY FORESTERS FROM THE HOOSIER AND SHAWNEE FORESTS MET AT HEROD CAMP F-7 ON NOVEMBER 24 TO 26 TO MAKE A STUDY OF TIMBER STAND IMPROVEMENT WORK IN HARDWOOD STANDS. FIFTEEN DIFFERENT FORESTRY SCHOOLS WERE REPRESENTED. MESSRS. WALES AND MADDOX WERE INSTRUCTORS AND ARTISTS OF THE COURSE. MR. DAY OF THE CENTRAL STATES EXPERIMENT STATION ATTENDED THE SCHOOL AND WAS ABLE TO GIVE US SOME VALUABLE SUGGESTIONS.

FIELD WORK WAS DONE IN THE DAYTIME AND DISCUSSIONS OF THE WORK WERE HELD EACH EVENING. THE CROP TREE METHOD OF STAND IMPROVEMENT WAS EXPLAINED, DISCUSSED AND WORKED OUT. WHITE OAK WAS "KING", TULIP POPLAR AND BLACK WALNUTS THE "QUEENS", THE NORTHERN AND SOUTHERN RED OAK, BLACK OAK, CHINQUAPIN OAK, LOOSE BARK HICKORY AND WHITE ASH CONSIDERED GOOD "TRUMPS", BUT EASTERN RED CEDAR WAS CONSIDERED AN "ACE" IN RESERVE. WINGED ELM WAS THE MAIN WEED TREE SO WAS CUT OR GIRDLED FREQUENTLY. PRUNING OF VALUABLE CROP TREES WAS RECOMMENDED.

SINCE OUR FIRST JOB IS TO BUILD UP THE SOIL, THE NECESSITY FOR A GOOD MULCH OR FOREST COVER WITH ITS BIOTIC AND ORGANIC COMPOSITION WAS DISCUSSED. A GOOD SOIL IS THE BASIS OF A WELL DEVELOPED AND DIVERSIFIED FOREST.

PRE-CULTURAL INVENTORY AND ANALYSIS OF A TIMBER STAND WAS MADE BY THE LINE-PLOT METHOD. DISCUSSION (AND NEARLY ARGUMENTS) OF THE WORK FOLLOWED.

THE NECESSITY FOR SALVAGE IS APPARENT. SALVAGE BY PRIVATE INDIVIDUALS IS A PROBLEM THAT WILL REQUIRE SALESMANSHIP FROM ALL EMPLOYEES. INTENSIVE FOREST MANAGEMENT IS QUITE DEPENDENT UPON MORE INTENSIVE UTILIZATION.

PLANTING AND EROSION CONTROL WORK WAS CONSIDERED AND DISCUSSED IN THE FIELD AS THE OPPORTUNITY WAS PRESENTED.

THE FORESTERS RETURNED TO THEIR NATIVE HAUNTS WISER, WITH A CLEARER CONCEPTION OF T.S.I. AND A DETERMINATION TO DO SOME T. S. I. WORK.

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THE DEPARTMENT OF FORESTRY OF THE UNIVERSITY OF FLORIDA WAS RECENTLY AUTHORIZED BY THE FLORIDA STATE LEGISLATURE.

S.L. - P.D.F.W.

ANCIENT INDIAN FORTRESS FOUND IN TEXAS COUNTY

GARDNER

FEDERAL FOREST RANGERS PROWLING ABOUT IN THE NORTHWEST CORNER OF TEXAS COUNTY HAVE REDISCOVERED WHAT IS SAID TO BE AN ANCIENT BATTLEGROUND AND THE STORY THAT GOES WITH IT.

AT THE POINT WHERE ROUBIDOUX CREEK JOINS ROCK CREEK A RIDGE RISES SHARPLY TO AN ALTITUDE OF ABOUT 200 FEET. IT IS KNOWN AS INDIAN POINT AND ON IT HAVE BEEN FOUND MANY INDIAN RELICS.

A. A. FANGMAN, CONSTRUCTION FOREMAN OF THE PALACE CCC CAMP, DISCOVERED A FINE ARROWHEAD THERE RECENTLY.

THE STORY IS THAT JOHN ROUBIDOUX, A FRENCHMAN, CAME WEST SHORTLY AFTER THE FOUNDING OF ST. LOUIS, MARRIED AN INDIAN SQUAW AND FOUGHT A BATTLE WITH INDIANS ON THIS HILL. ROCK BARRICADES AND THE FRAGMENTS OF A FORTRESS STILL REMAIN.

ROUBIDOUX LOST THE FIGHT AND WAS DRIVEN FARTHER WEST.

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THE HARRIED LOOKING PRIVATE SECRETARY TO A DEPARTMENT OF AGRICULTURE CHIEF WAS STOPPED AND ASKED: "WHERE'S THE BEETLE CONFERENCE?"

"OH, LORD," ASKED THE SECRETARY, "ARE THEY HAVING A CONFERENCE, TOO?"

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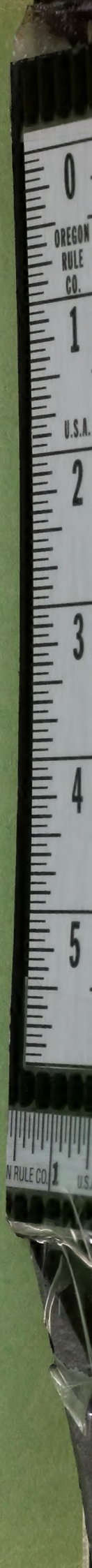
LEGION TELLS OF FOREST FESTIVAL

COOPERATING IN PUBLICIZING MANISTEE'S 1936 FOREST FESTIVAL IN JULY, THE MANISTEE POST OF THE AMERICAN LEGION HAS HAD PRINTED NEW OFFICIAL STATIONERY FOR THE POST BEARING THE FOREST SCENE ALSO PRINTED ON THE FESTIVAL CORPORATION ENVELOPES AND THE DATES OF THE CELEBRATION.

PLANS FOR LIKE ACTION ON THE PART OF OTHER ORGANIZATIONS AND LOCAL BUSINESS FIRMS ARE BEING MADE AS PART OF THE FESTIVAL PUBLICITY AND ANNOUNCEMENT CONCERNING ARRANGEMENTS WILL BE MADE SOON.

IT IS BELIEVED THAT FIRMS WILL COOPERATE TO SUCH AN EXTENT THAT AFTER THE FIRST OF THE YEAR THE MAJORITY OF MAIL LEAVING THE CITY WILL BEAR THE WORD OF THE JULY CELEBRATION.


OREGON
RULE
CO.
U.S.A.